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1904/05

University Bulletins

Series IX. Number 5

THE UNIVERSITY OF NEBRASKA

COLLEGE OF MEDICINE

ANNOUNCEMENT

1904-1905



June, 1904
THE UNIVERSITY PRESS
Lincoln, Neb.

The bulletins of the University are issued one or more every month during the college year. One each is issued for the Graduate School, the College of Literature, Science and the Arts, the Industrial College, the College of Law, the College of Medicine, and the schools of Art, Agriculture, Domestic Science, Mechanic Arts, and Music. The bulletins are entered at the Lincoln post-office as second-class matter. They are furnished gratuitously, postage paid, to all who apply for them. In asking for bulletins, name the department of the University concerning which information is desired. Address

THE REGISTRAR,

THE UNIVERSITY OF NEBRASKA,
Lincoln, Nebraska.

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1904/05-1914/15

CALENDAR THE COLLEGE OF MEDICINE

FOR THE WORK IN LINCOLN

1904

September 20	Tuesday	First Semester begins.
September 20-23	Tuesday-Friday	Entrance examinations and registration.
September 24	Saturday	Opening address by the Chancellor.
November 23	Wednesday, 6 P. M.	Thanksgiving recess begins.
November 28	Monday, 8 A. M.	Thanksgiving recess ends.
December 13	Tuesday	Regular meeting of the Board of Regents.
December 21	Wednesday, 6 P. M.	Christmas vacation begins.

1905

January 4	Wednesday, 8 A. M.	Christmas vacation ends.
January 23-27	Monday-Friday	First Semester examinations. Examination and registration for the second Semester.
January 30	Monday	Second Semester begins.
February 15	Wednesday	Charter Day. Ninth Mid-winter Commencement. Regular meeting of the Board of Regents.
April 11	Tuesday	Regular meeting of the Board of Regents.
April 19	Wednesday, 6 P. M.	Easter recess begins.
April 26	Wednesday, 8 A. M.	Easter recess ends.

FOR THE WORK IN OMAHA

1904

September 20	Tuesday, 8 P. M.	Opening address.
September 21	Wednesday	Lectures begin.
November 23	Wednesday, 6 P. M.	Thanksgiving recess begins.
November 28	Monday, 8 A. M.	Thanksgiving recess ends.
December 23	Friday, 6 P. M.	Christmas vacation begins.

1905

January 2	Monday	Christmas vacation ends.
January 23-27	Monday-Friday	First Semester examinations.
January 30	Monday	Second Semester begins.
February 22	Wednesday	Washington's birthday—holiday.
May 12	Friday	All lectures end.
May 13-23	Saturday-Tuesday	Examinations.
May 25	Thursday	Commencement.

THE UNIVERSITY

THE UNIVERSITY OF NEBRASKA includes the following colleges and schools:

THE GRADUATE SCHOOL. Courses leading to the degree of Master of Arts and Doctor of Philosophy.

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS. A four years' course leading to the degree of Bachelor of Arts.

THE INDUSTRIAL COLLEGE (including the agricultural, engineering, and scientific groups). A four years' course leading to the degree of Bachelor of Science.

THE COLLEGE OF LAW. A three years' course leading to the degree of Bachelor of Laws.

THE COLLEGE OF MEDICINE. A four years' course leading to the degree of Doctor of Medicine.

THE SCHOOL OF FINE ARTS. Instruction in drawing, painting, wood-carving, modeling, etching, and the history of art.

THE SCHOOL OF MUSIC. Affiliated with the University. Instruction in all grades of instrumental and vocal music.

THE SCHOOL OF AGRICULTURE. A secondary school training primarily for practical farm life.

THE SCHOOL OF DOMESTIC SCIENCE. A secondary school teaching the principles of household economics.

THE SCHOOL OF MECHANIC ARTS. A secondary school teaching the principles of practical mechanics.

THE SUMMER SESSION. A six weeks' course primarily for teachers.

THE NEBRASKA EXPERIMENT STATION and the **EXPERIMENTAL SUB-STATION** at North Platte are also in charge of the Board of Regents.

The total attendance in 1902-1903 was 2,560.

THE FACULTY OF THE COLLEGE OF MEDICINE

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

University Hall 102

HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine and Professor of Zoology

Nebraska Hall 204

HAROLD GIFFORD, B.S., M.D.

Associate Dean of the College of Medicine and Professor of
Ophthalmology and Otology

405 Karcher Block, Omaha

RICHARD CHANNING MOORE, M.D.

Professor of Diseases of the Mind

312 McCague Building, Omaha

DONALD MACRAE, M.D.

Professor of Railroad and Clinical Surgery

252 Merriam Block, Council Bluffs, Ia.

WELLINGTON SMITH GIBBS, M.D.

Professor of Principles and Practice of Medicine and
Clinical Medicine

202 Brown Block, Omaha

EWING BROWN, M.D.

Professor of Didactic and Clinical Gynecology

1026 Park Avenue, Omaha

WILLIAM FORSYTH MILROY, M.D.

Professor of Clinical Medicine and Physical Diagnosis

312 McCague Building, Omaha

WILLSON ORTON BRIDGES, M.D.

Professor of the Principles and Practice of Medicine and
Clinical Medicine

302 Bee Building, Omaha

THE COLLEGE OF MEDICINE

7

WILLIAM HENRY CHRISTIE, M.D.

Professor of Materia Medica and Therapeutics

48 Barker Block, Omaha

AUGUST FREDERICK JONAS, M.D.

Professor of the Practice of Surgery and Clinical Surgery

18 Continental Block, Omaha

HARRY MONROE McCLANAHAN, A.M., M.D.

Professor of Pediatrics

1312 North 40th Street, Omaha

OSCAR SAMUEL HOFFMAN, M.D.

Professor of Clinical Medicine

324 Bee Building, Omaha

BYRON BENNETT DAVIS, A.B., M.D.

Professor of the Principles of Surgery and Clinical Surgery,

202 Bee Building, Omaha

FRANK STYLES OWEN, M.D.

Professor of Laryngology and Rhinology

209 Karbach Block, Omaha

*HAMILTON BERNARD LOWRY, M.D., PH. D.

Professor of Diseases of the Nervous System

Lincoln

DONALD MACRAE, JR., M.D.

Professor of Clinical Surgery

252 Merriam Block, Council Bluffs, Iowa

VERNON LAWRENCE TREYNOR, M.D.

Professor of Clinical Medicine

Baldwin Block, Council Bluffs, Iowa

ARTHUR CHARLES STOKES, M.D.

Professor of Chemistry and Instructor in

Genito-Urinary Surgery

213 McCague Building, Omaha

*Resigned.

THE UNIVERSITY OF NEBRASKA

ANDREW BARTHOLOMEW SOMERS, M.D.

Professor of Obstetrics

23 Continental Block, Omaha

SOLON RODNEY TOWNE, M.D.

Professor of Hygiene and State Medicine

22 Continental Block, Omaha

JOSEPH MELANCTHON AIKIN, M.D.

Clinical Professor of Nervous Diseases

401 Brown Block, Omaha

HANS PETER JENSEN, M.D.

Professor of Electro-Therapeutics

2804 Harney Street, Omaha

RAYMOND GUSTAVUS CLAPP, M.D.

Professor of Physical Education

Memorial Hall

FRANCIS ALBERT BROGAN, A.B., LL. B.

Professor of Medical Jurisprudence

412 New York Life Building, Omaha

HENRY HUDSON NICHOLSON, A.M.

Professor of Chemistry and Director of the Chemical Laboratories

Chemical Laboratory

CHARLES EDWIN BESSEY, PH.D., LL.D.,

Professor of Botany

Nebraska Hall 110

ROBERT HENRY WOLCOTT, A.M., M.D.

Associate Professor of Zoology and Demonstrator in Anatomy,

in Charge of the Anatomical Laboratory

Mechanic Arts Hall 300

WILLIAM HULL RAMSEY, M.D.

Assistant Professor of Anatomy

224 Bee Building, Omaha

THE COLLEGE OF MEDICINE

9

HERBERT HAROLD WAITE, A.M., M.D.
Assistant Professor of Bacteriology and Pathology
University Hall A

BENTON DALES, PH.D.
Assistant Professor of Chemistry
Chemical Laboratory

GEORGE HAMLIN BICKNELL, M.D.
Adjunct Professor of Ophthalmology and Otology
405 Karbach Block, Omaha

FREDERICK DEFOREST HEALD, PH.D.
Adjunct Professor of Plant Physiology
Nebraska Hall 102

PAUL HAGANS LUDINGTON, A.B., M.D.
Adjunct Professor of the Principles of Surgery
224 Bee Building, Omaha

ELMER JAMES UPDEGRAFF, M.D.
Adjunct Professor of the Practice of Surgery
19 Continental Block, Omaha

BENJAMIN FRANKLIN PARK, M.D.
Adjunct Professor of Obstetrics
600 Paxton Block, Omaha

ANNE BARR-CLAPP
Adjunct Professor of Physical Education and Director of
the Women's Gymnasium
Memorial Hall

WILLIAM ALBERT WILLARD, A.M.
Adjunct Professor of Zoology
Nebraska Hall 207

RALPH STAYNER LILLIE, PH.D.
Adjunct Professor of Physiology
Nebraska Hall

THE UNIVERSITY OF NEBRASKA

AARON WELCH EDMISTON, M.D.

Instructor in Bandaging and Surgical Dressings

3 Creighton Block, Omaha

ALFRED OLAF PETERSON, A.M., M.D.

Instructor in Internal Medicine

16th and Howard streets, Omaha

AVINGTON ADAM EDGINGTON, M.D.

Instructor in Anatomy and Associate Demonstrator

Omaha

RUFUS ASHLEY LYMAN, A.M., M.D.

Instructor in Physiology and Histology, in Charge

1105 Pacific Street, Omaha

GEORGE BROWN DANDY, M.D.

Instructor in Anatomy

Omaha

MARY LOUISE FOSSLER, A.M.

Instructor in Chemistry

Chemical Laboratory

PAUL KOERBER, M.D.

Instructor in Materia Medica and Therapeutics

Yutan

BURTON WHITFORD CHRISTIE, B.Sc., M.D.

Instructor in Pediatrics

48 Barker Block, Omaha

THOMAS TRUELSEN, M.D.

Instructor in Physical Diagnosis

600 Paxton Block, Omaha

WILLIAM VERNON GAGE, M.D.

Instructor in Dermatology

208 Bee Building, Omaha

JAMES SAMUEL GOETZ, M.D.

Instructor in Internal Medicine

324 Bee Building, Omaha

THE COLLEGE OF MEDICINE

11

CHARLES WHITNEY POLLARD, A.B., M.D.

Instructor in Obstetrics

409 Paxton Block, Omaha

FRANKLIN DAVIS BARKER, A.M.

Instructor in Zoology

Nebraska Hall 204

GEORGE MOGRIDGE, M.D.

Lecturer in Arrested Development

Glenwood, Iowa

AUGUSTUS DAVIS CLOYD, M.D.

Lecturer in Life Insurance Examinations

Woodmen Building, Omaha

ALFRED ONIAS HUNT, D.D.S.

Lecturer in Dental Surgery

12th and Pacific streets, Omaha

HIRAM WINNETT ORR, M.D.

Lecturer in History of Medicine

1238 O Street, Lincoln

LEE BRADLEY VAN CAMP, M.D.

Demonstrator of Anatomy

301 Paxton Block, Omaha

WILLIAM PENALUNA WHERRY, M.D.

Clinical Assistant in Laryngology and Rhinology

Omaha

CHARLES CAMPBELL MORISON, A.B., M.D.

Clinical Assistant in Surgery

Omaha

CHARLES WILLIAM McCORKLE POYNTER, M.D.

Quiz Master in Human Anatomy

1222 O Street, Lincoln

DAVID CLARK HILTON, A.M., M.D.

Assistant Demonstrator of Anatomy

Farmers and Merchants Building, Lincoln

DISPENSARY STAFF**INTERNAL MEDICINE**

DOCTOR GIBBS DOCTOR MILROY
ASSISTANTS: DOCTOR TRUELSON DOCTOR WEYMULLER

SURGERY

DOCTOR JONAS DOCTOR DAVIS
ASSISTANTS: DOCTOR MORISON DOCTOR DANDY

EYE AND EAR

DOCTOR GIFFORD DOCTOR BICKNELL
ASSISTANT: DOCTOR LEMERE

NOSE AND THROAT

DOCTOR OWEN
ASSISTANTS: DOCTOR LEMERE DOCTOR WHERRY

PEDIATRICS

DOCTOR McCLANAHAN
ASSISTANT: DOCTOR B. W. CHRISTIE

OBSTETRICS

DOCTOR SOMERS
ASSISTANTS: DOCTOR PARK DOCTOR POLLARD DOCTOR ARTHUR

GYNECOLOGY

DOCTOR BROWN
ASSISTANTS: DOCTOR PARK DOCTOR VAN FLEET

NERVOUS DISEASES

DOCTOR LOWRY DOCTOR AIKIN

DERMATOLOGY

DOCTOR GAGE

GENITO-URINARY SURGERY

DOCTOR STOKES

SECRETARY OF THE CLINIC

DOCTOR LUDINGTON

HOSPITAL APPOINTMENTS

OMAHA HOSPITAL ROBERT CARPENTER PANTER, M. D.
IMMANUEL HOSPITAL JAY C. DECKER, M. D.
DOUGLAS COUNTY HOSPITAL FRED WILLIAM KARRER, M. D.



THE COLLEGE OF MEDICINE

ORGANIZATION

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and has experienced strong and steady growth.

As an integral part of the University the College has been able to reorganize its work along the most advanced lines. The requirements for entrance have been placed on a level with those of the best medical colleges, thus preparing the student properly for the improved advantages at his disposal.

The work of the first two years is carried on at Lincoln, where the University places at the disposal of the student, in the first years of his study of medicine, advantages such as but comparatively few medical schools in the country offer. The University's laboratories, directed by men of thorough training and large experience, who devote their entire time to instruction and supervision, are well equipped with modern appliances.

The work of the last two years is done exclusively at the College in Omaha, the 200,000 population of which city and the adjoining communities affords unusual clinical facilities. These facilities the College is constantly strengthening.

ADMISSION

The College of Medicine offers courses leading to the degree of Doctor of Medicine. A student may pursue a combined collegiate and medical course, receiving at the end of four years the bachelor's degree, and at the end of six years the degree of Doctor of Medicine.

Candidates are admitted by examination or on certificate from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session.

Applicants for admission present themselves to the registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is, without examination, admitted to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the freshman class without examination, should apply to the registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

REQUIREMENTS FOR ADMISSION

For admission to the freshman class in the College of Medicine a candidate must present entrance "credits" equal to 26 "points" (see below) or a total of 130 recitation or credit hours. Conditional admission is permitted on the minimum of 20 credit points or 100 credit hours, but the student must remove all entrance requirements before he may be admitted to full sophomore standing.

A credit "point" presupposes the work of five recitations a week of not less than 40 minutes each during a period of at least 18 weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—18 Points

Algebra (to simultaneous quadratics), 1 year, 5 hours a week.....	2
Geometry (Plane), 1 year, 5 hours a week.....	2
English Composition, 2 years, 5 hours a week.....	4
History (Greek and Roman or American), 1 year, 5 hours a week..	2
Language (2 points must be Latin), 2 years, 5 hours a week.....	4
Science (physics, together with chemistry, botany, or zoology), 2 years, 5 hours a week.....	4

OPTIONAL SUBJECTS—8 Points

In addition to these required subjects for which no substitutes are accepted, applicants must present evidence of

preparation in 8 points to be chosen from the following optional list :

English, 1 year, 5 hours a week.....	2
History, 3 years, 5 hours a week.....	6
Language, 3 years, 5 hours a week.....	6
Manual Training, 1 year, 5 hours a week.....	2
Mechanical Drawing, ½ year, 5 hours a week.....	1
Natural Science (botany, zoology), 1 year, 5 hours a week.....	2
Physical Science (chemistry, physics), 1 year, 5 hours a week.....	2
Trigonometry, ½ year, 5 hours a week.....	1
Astronomy	} ½ year, 5 hours a week, not more than 3 points accepted, each 1
Civics	
Geology	
Physical geography	
Physiology and hygiene	
Political economy	

Requirements for admission to the six-year combined academic and medical courses are stated in the requirements for admission to the College of Literature, Science and the Arts, and the Industrial College of the University (see announcement for these colleges).

REGISTRATION

Students are required to register promptly at the beginning of each semester. A wider range of elective studies is offered at the beginning of the first semester than at the beginning of the second.

To promote prompt registration a registration fee of \$3 is charged a student who, without good reason, fails to register during the first six week days of the semester. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

No regular student is registered for less than twelve (12) hours nor for more than eighteen (18) hours a semester without the dean's permission.

A student taking the combined six-year course for the degree of Bachelor of Arts or Bachelor of Science and the degree of Doctor of Medicine must matriculate and register in the College of Medicine at the beginning of the third year's work of the combined course and must regularly thereafter register as a student in the College of Medicine. If he is to be a candidate for the bachelor's degree, he must at the same time continue to register either in the College of Literature, Science and the Arts, or in the Industrial College.

The courses in human anatomy, pathology, and medical zoology are open only to students registered in the College of Medicine. A junior or senior in the College of Literature, Science, and the Arts or in the Industrial College may take any of these courses by registering as a special student in the College of Medicine and paying the laboratory fees attached to the course or courses chosen and also a pro-rata tuition fee, provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5 a semester. In anatomy the minimum charge is \$15 a semester.

When circumstances warrant and the accommodations are sufficient to allow it without detriment to the work of candidates for degrees, other special students are admitted.

Students cannot attend classes for which they are not

registered, and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the dean of his college.

Any change in a student's residence must be immediately reported to the registrar.

A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

The dean of the college in which a student registers is that student's adviser. Each dean has a consultation hour in the deans' room, University Hall 104, where students may call seeking advice or encouragement in their work.

ADVANCED STANDING

Advanced standing may be granted as follows to applicants presenting proper credentials:

Graduates of recognized universities or colleges are given credit for any work in the medical branches which

they have successfully completed in the college course and which is the full equivalent of corresponding work in the medical curriculum. Such a student may receive the medical degree in not less than three years, provided he completes the remainder of the regular medical curriculum within that time.

Graduates of colleges of dentistry or pharmacy are accorded such standing as their credentials warrant.

Graduates of colleges of homeopathy or eclectic medicine requiring a four years' course are admitted to the senior year.

Students of other medical colleges in good standing are admitted to the class to which credentials issued by such colleges entitle them, only on presenting certificate of honorable dismissal.

In all these cases the applicant for advanced standing must offer admission credits equal to those required by this college.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Medicine are as follows:

1. The candidate must be twenty-one years of age.
2. His moral character must be unquestioned.
3. He must have complied with all the requirements of admission and have paid all his fees.
4. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.

5. He must have pursued the study of medicine four years and received credit for at least four full courses of instruction in different years at medical schools in good standing, unless he be a college graduate granted time credits under the conditions specified above. The last course he must have taken in this institution.

6. He must have undergone a full and satisfactory written and oral examination at the termination of the course.

SUMMER SESSION

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements in certain lines of medical work.

COURSES AND METHODS OF INSTRUCTION

The course of study covers four years of nine months each. During the first two years those strictly scientific branches are pursued which form the basis for the technical studies of the last two years. In the laboratory independent work only is accepted. None of the courses are mere demonstrations. This objective method of instruction is followed not only in the laboratory study of the first two years but also in the clinical work of the last two, where constant use is made of the facts acquired from laboratory teaching in the fundamental branches.

The courses embrace also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations, and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in the laboratory. Frequent quizzes and examinations test

progress in each line of work. It is the aim to keep each student informed at all times regarding his standing in every branch so that he can pass no subject without thoroughly mastering it.

The size of the classes permits personal instruction in every topic, each student standing continually close to his instructors. This fact is of the utmost importance in the last two years of the course. The small number of students and the sectional method of clinical instruction which is thereby rendered possible, bring the individual student into intimate contact with his clinical instructors, afford him an opportunity to study each case thoroughly and at short range, and allow him to secure a large amount of bedside instruction.

If a student finds it necessary to leave the University, he may obtain a certificate for his work in the medical course which will enable him to enter any other medical college belonging to the American Association of Medical Colleges.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found under the head of "Courses of Instruction" in connection with the different departments represented.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, embodies the best features of modern medical-school buildings. It is a brick and stone structure, having four stories above the basement, furnished with steam heat and electric lights.

On the first floor are the students' lobby and the free dispensary. The latter comprises a waiting room for patients, a drug room, and numerous clinic rooms for the systematic examination and treatment of patients.

On the second floor are the amphitheater with a seating capacity for 250, the library, the reading room, the X-ray room, and a commodious coat room.

On the third floor are the dissecting room, accommodating 100 students; the chemical laboratory, thirty by fifty feet; private rooms for the professors of anatomy, chemistry, and biology; and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in chemistry.

The fourth floor is wholly given up to microscopic work. The laboratories occupy a space one hundred by thirty-five feet, with light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit.

The histological and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by means of projection apparatus.

By these arrangements it is possible so to individualize the laboratory work that whenever a student finds a spare hour he can resort to the laboratory and utilize it profitably.

With the transfer of the entire work of the first two years to Lincoln, much additional space has been set free for the expansion of the advanced instruction.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to eight hospitals, in four of which they have exclusive clinical privileges.

THE COLLEGE DISPENSARY

The College Dispensary, on the first floor of the college building, is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space assigned includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose, and throat. A pharmacy department, in charge of a trained pharmacist, is also maintained in connection with the dispensary. Members of the clinical faculty and their assistants are in daily attendance from twelve to two o'clock. Students in the Junior and Senior classes are divided in rotation among the different departments, whereby they are put in close touch with the histories, examinations, diagnoses, and treatment of cases. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Very unusual ones are often seen. Selected cases are

specially demonstrated and enlarged upon before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the professor in charge. Those students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs.

THE OMAHA HOSPITAL

In the Omaha Hospital, which received over 1200 patients last year, this College has exclusive clinical privileges. A new, commodious, fire-proof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, is now being erected. It will contain an operating pavilion and amphitheater seating about 100 and furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, ophthalmology, and otology. From the graduating class an interne is selected for a year's service.

THE IMMANUEL HOSPITAL

In the Immanuel Hospital also students of this College have exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an unobstructed view of the operator or instructor. Weekly

clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class a resident physician is appointed, soon after commencement, to serve one year.

DOUGLAS COUNTY HOSPITAL

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. This institution is, in reality, the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country, are found here, the students of this College have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases, and obstetrics. Two resident physicians, one of whom is from this College, are appointed each spring for one year.

WISE MEMORIAL HOSPITAL

At the Wise Memorial Hospital, opened to the public two years ago, a regular weekly clinic throughout the session is held in internal medicine. Special clinics frequently afford instruction in surgery, laryngology, and rhinology.

CHILD-SAVING INSTITUTE

In the Child-Saving Institute also this College has exclusive clinical privileges. The Institute has outgrown its former quarters and now occupies a building especially constructed for its use. Its accommodations for twenty-five

babies are constantly taxed. The opportunities for the study of the dressing, care, and feeding of infants, and the diagnosis, progress, and treatment of the different gastrointestinal diseases are here unexcelled in the Middle West. Occasional outbreaks of infectious diseases in the constantly changing inmates afford unusual illustration of the subjects taught in the course on pediatrics.

W. C. A. HOSPITAL, COUNCIL BLUFFS

The W. C. A. Hospital at Council Bluffs is in professional charge of members of the faculty of this College. For surgical work its equipment is thorough, including a fine operating room. Frequent clinics are held in general medicine and in surgery, including railway and emergency surgery.

BANCROFT STREET RESCUE HOME

The Bancroft Street Rescue Home—a lying-in hospital—is under the personal direction of a member of the faculty of this College. During 1903 there were here thirty-five confinement cases, attended by students of the College. In a number of operations, including the application of the forceps and the repair of the perineum, students assisted.

OMAHA RESCUE HOME

In the Omaha Rescue Home also this College has exclusive clinical facilities. During the last year there were here forty cases of obstetrics, most of which were attended, under the direction of the professor in charge, by members of the senior class. The sanitary arrangements of this Home render the best possible application of scientific asepsis.

THE VISITING NURSES' ASSOCIATION

The search, by the Visiting Nurses' Association, for deserving, unattended sick, furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class.

HOSPITAL APPOINTMENTS

From the graduating class of the College of Medicine one interne is chosen each year for the Omaha Hospital and one for the Immanuel Hospital. The position of resident physician in the Douglas County Hospital is also open to graduates of the College. Several graduates of the College each year secure positions in other hospitals in Nebraska and other states. The faculty receives frequent inquiries from superintendents of hospitals who desire recent graduates suitable for such positions. In this way a large percentage of graduates obtain the inestimable advantages of hospital training before entering upon private practice.

LIBRARIES

IN OMAHA

The College Library contains about 1,000 volumes including an up-to-date collection of text-books covering the entire range of medical science. While this collection is not designed to obviate the necessity of students having their own text-books, it enables them to investigate subjects in which they are specially interested more fully than they otherwise could. Periodical literature is also on file.

The Omaha Public Library contains 60,000 volumes, in-

cluding a very good medical library, the use of which is free to students in the College.

IN LINCOLN

The following libraries, aggregating 134,000 volumes, are accessible to students in Lincoln:

The University Library of 63,000 volumes is strong in those scientific lines where lies the first two years' work of the student of medicine. It includes special departmental libraries in botany, chemistry, hygiene, physiology, and zoology.

The Lincoln City Library of 16,000 volumes includes the library of the Nebraska State Medical Society. It also has an alcove devoted exclusively to medical literature.

The State Library of 46,000 volumes at the Capitol includes valuable medical works in certain lines.

The Nebraska State Historical Society Library of 9,000 volumes and 19,000 pamphlets, contains very useful series of public documents such as reports of state boards of health, and of state hospital and other institutions.

PRIZES

The following prizes are offered for 1904-1905:

1. To the member of the graduating class receiving the highest total of marks in the final examinations, a general surgical operating case.

2. To the student who prepares the best dried anatomical preparation, a pocket instrument case. All preparations offered in competition for this prize become the property of the college museum in Omaha, and are labeled with the name of the maker. This prize is not awarded unless the

specimens offered possess sufficient merit as determined by a committee consisting of the professors of anatomy and of the principles and practice of surgery. Previous successful competitors excluded.

3. To the member of the senior class most proficient in ophthalmology, Professor Gifford offers as a prize a Loring's ophthalmoscope.

4. To the student presenting the best notes on the history of medicine, Dr. Orr offers as a prize, medical books to the value of \$10.

SOCIETIES

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. The annual meeting is held in Omaha on commencement day. Members of the association are earnestly requested to notify the registrar and the secretary of the association when they change their address.

The Medical Society of the University of Nebraska, at Lincoln, aims to increase professional spirit and to keep its members in touch with recent progress. Any student in the University at Lincoln looking forward to medicine is eligible to membership. Topics of general interest are taken up at the weekly meetings. Prominent men address the society monthly on topics of special interest. Besides promoting fellowship among students of medicine it also aims to offer some social advantages in other directions.

An undergraduate medical society has been formed in Omaha with similar objects. It meets bi-weekly for the discussion of medical topics.

FEES AND EXPENSES

All fees and charges are payable in advance to the secretary of the University in Lincoln or at the office of the associate dean at the College in Omaha. No part of fees can be refunded to students who leave during the session, but in case the student takes up the same work again no additional charge is made for the part omitted.

The schedule of fees in the College of Medicine is as follows:

Matriculation fee.....	\$5
Diploma fee.....	5
No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.	
Special certificate of standing	\$5

FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester	\$20
Tuition, second semester.....	15

LABORATORY FEES

Anatomy 1, 2, 3, 4.....	\$15
Bacteriology.....	8
Pharmaceutical botany 33, 34.....	2
Chemistry A., B., 3, 4, 33, 34.....	5
Histology and Embryology (Zoology 9, 10).....	5
Pathology.....	8
Physiology 1, 2, 3, 4.....	2
Zoology 1, 2, general and medical.....	2

JUNIOR YEAR—OMAHA

Fees for all required exercises, including all laboratory and clinic fees	\$80
Breakage deposit.....	10
Examination fee.....	10

SENIOR YEAR—OMAHA

Fees for all required exercises, including laboratory and clinic fees..	\$80
Breakage deposit.....	10
Examination fee.....	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged to the class pro rata.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha department of the University College of Medicine may do so by paying a fee of \$10.

In Omaha board and lodging costs from \$3 to \$5 a week. By means of clubs students materially reduce this expense. The Young Men's Christian Association issues to students in the College of Medicine special season tickets admitting, at a very small cost, to the privileges of the association's building—baths, gymnasium, parlors, lectures, concerts.

In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray their expenses, at least in part. The University cannot, however, guarantee employment.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training, who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

SIX-YEAR COMBINED COLLEGIATE AND MEDICAL COURSE

The entrance requirements are those of the College of Literature, Science and the Arts, or of the Industrial College, given in the announcement for those colleges.

Whenever possible, the student is advised to take this combined course, which leads to the bachelor's degree at the conclusion of four years, and to that of Doctor of Medicine at the end of six years. The work in Lincoln is known as that of the pre-medical group, which was adopted by the Board of Regents, April, 1902, on recommendation of the faculty of the University. The work of the group lays a broad foundation for the technical work of the last two years and gives the student not only the best possible training but also the advantage of possessing the bachelor's degree.

If one wishes to complete both courses within six years, it is not possible to deviate materially from the program outlined below:

FIRST YEAR

	CREDIT HOURS
Chemistry 1, 2.....	2
Physics 1, 2.	3
Modern Language (German).....	5
Zoology 1, 2.....	3
Rhetoric 1, 2.....	2
Osteology (second semester).....	2
Military Drill.....	1

SECOND YEAR

Botany 1, 2.....	3
Chemistry 3, 4.....	3
Zoology 5, 8.....	4
Modern Language.....	5
Military Drill.....	1
	16

THIRD YEAR

Pharmaceutical Botany.....	2
Physiology	2
Physics 3, 4	2
Zoology 9, 10.....	3
Psychology.....	3
Human Anatomy.....	4
	16

FOURTH YEAR

Human Anatomy.....	4
Bacteriology and Pathology	4
Physiological Chemistry.....	3
Hygiene, Physical Diagnosis	2
Advanced Physiology.....	2
History of Medicine.....	1
	16

FIFTH YEAR

Bacteriology and Pathology.....	1
Therapeutics.....	2
Surgical Anatomy.....	1
Physical Diagnosis.....	1
Medicine.....	4
Surgery	4
Obstetrics	2
Bandaging and Dressing.....	1
Prescription-Writing, Electro-Therapeutics.....	1
Materia Medica and Pharmacology	3
	20

SIXTH YEAR

Medicine.....	4
Surgery.....	4
Obstetrics.....	2
Gynecology	1
Eye and Ear.....	1
Nose and Throat.....	1
Nervous Diseases.....	1
Pediatrics.....	1
Dermatology	1
Genito-Urinary Surgery....	1
Railway Surgery, Dental Surgery.....	1
Medical Jurisprudence, Life Insurance.....	1

 19

NOTE.—In addition there are section clinics running all the year.

FOUR-YEAR MEDICAL COURSE

The course embraces four years of graded instruction, eight to nine months each, outlined in the following synopsis. To this course all students must conform. The year is divided into two semesters, approximately eighteen weeks each.

Examinations are held at the end of each year in all the work covered. Students failing in any of the final examinations of the year must pass such examinations either at the opening of the ensuing session or during the Christmas vacation following. Students failing in more than one-third of the work must take the entire work again.

FRESHMEN YEAR

	CREDIT HOURS
Anatomy.....	4
Chemistry.....	2
General Physiology.....	2
Histology, Embryology.....	3
Pharmaceutical Botany.....	2
General and Medical Zoology.....	3
History of Medicine.....	1

 17

SOPHOMORE YEAR

Anatomy.....	4
Chemistry, Organic and Physiological.....	5
Special Physiology	2
Bacteriology and Pathology	2
Hygiene and Physical Diagnosis.....	2
	15

JUNIOR YEAR

Bacteriology and Pathology	1
Therapeutics	2
Surgical Anatomy	1
Physical Diagnosis.....	1
Medicine.....	4
Surgery	4
Obstetrics.....	2
Bandaging and Dressing.....	1
Prescription Writing, Electro-Therapeutics.....	1
Materia Medica and Pharmacology .	3
	20

SENIOR YEAR

Medicine	4
Surgery	4
Obstetrics.....	2
Gynecology.....	1
Eye and Ear.....	1
Nose and Throat.....	1
Nervous Diseases	1
Pediatrics.....	1
Dermatology	1
Genito-Urinary Surgery.....	1
Railway Surgery, Dental Surgery.....	1
Medical Jurisprudence, Life Insurance.....	1
	19

NOTE.—In addition there are section clinics running all the year.

COURSES OF INSTRUCTION

ANATOMY

ASSOCIATE PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON; IN OMAHA—DOCTOR RAMSEY, DOCTOR EDGINGTON, DOCTOR DANDY

The object of this department is to present the subject of human anatomy in the most modern, strictly scientific form. During the first two years of his course the student is expected to spend eight hours weekly in the laboratory. Individual quizzes upon the subject; weekly sectional quizzes, with or without the subject; a thorough demonstration by each individual student at the close of each dissection of a part; and occasional review quizzes to test the student's ability to retain the knowledge gained, are required. The lectures supplement the laboratory work, and in them are discussed such facts drawn from comparative vertebrate anatomy, from the study of human variations and anomalies, and from embryology, as will enable the student to understand the structure of the human body and to correlate details learned by laboratory dissection, thus giving a clear conception of the body as a whole. As a final test of his grasp of the subject the careful formal presentation of some circumscribed topic is required of each student before credit is given for the course.

To assist the student in his work, charts, models, anatomical preparations, and carefully selected works of reference are close at hand where he can readily consult them.

COURSES

1. **General and Practical Anatomy**—Introductory principles of anatomy and general descriptive anatomy. Laboratory work; osteology; preliminary dissection on the dog; dissection of human subject; dissection of genital organs. Three hours. Eight hours laboratory. Four hours credit. First semester, freshman year.

ASSOCIATE PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON.

2. **General and Practical Anatomy**—1 continued. Second semester.

3. **Regional and Practical Anatomy**—Laboratory work in neurology; dissection of the organs of special sense; serial sections of human body; special assigned topics. Three hours. Eight hours laboratory. Four hours credit. First semester, sophomore year.

ASSOCIATE PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON.

4. **Regional and Practical Anatomy**—3 continued. Second semester.

5. **Surgical Anatomy**—Lecture course. One hour credit. First semester, junior year. DOCTOR RAMSEY.

6. **Surgical Anatomy**—5 continued. Second semester.
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BACTERIOLOGY AND PATHOLOGY

ASSISTANT PROFESSOR WAITE

BACTERIOLOGY

The object of this course is to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth, and chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. First semester, freshman year.

ASSISTANT PROFESSOR WAITE.

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation, tumors, etc., are carefully studied. In conclusion, the diseases of special organs are taken up according to their relative importance. In the laboratory about one hundred and fifty specimens are given out. These the student is required to identify and, with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and for training in accuracy of observation.

COURSES

2. **Pathology**—Four hours lecture and quizzes. Eight hours laboratory. Second semester, sophomore year.

ASSISTANT PROFESSOR WAITE.

3. **Pathology**—2 continued. Lecture, demonstration, and quizzes covering the subjects of special bacteriology and pathology, and post-mortem techniques. Two hours lecture and quizzes. First semester, junior year.

ASSISTANT PROFESSOR WAITE.

4. **Pathology**—3 continued. Second semester.

5. **Practical Clinical Pathology**—The class is divided into sections of three, and each section is required, in rotation, to assume charge of all pathological specimens, sputum, urine and blood, secured from cases studied in clinics at the dispensary and the different hospitals; to examine the same in the pathological laboratory, under the supervision of the instructors in charge; and to make reports thereon before the class to the professor holding the clinic. Senior year.

PHARMACEUTICAL BOTANY AND PHARMACOLOGY

PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD

1. **Pharmaceutical Botany**—A single course on the structural characteristics of the principal drugs derived from plants, their preparation, and physiological effects. Two lectures and textbook exercises, and four hours of laboratory work.

PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD

2. **Pharmaceutical Botany**—1 continued. Second semester.

CHEMISTRY

PROFESSOR NICHOLSON, ASSISTANT PROFESSOR DALES,
MISS FOSSLER

A general survey of chemistry, both inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

COURSES

1. **Metallic or Base-Forming Elements**—The occurrence, methods of preparation, and properties of the common elements and their chief compounds. Two hours attendance. Four hours laboratory. Two hours credit. First semester. PROFESSOR NICHOLSON.
 2. **Metallic or Base-Forming Elements**—1 continued. Second semester.
 3. **Elementary Organic Chemistry**—The important classes of organic substances. Preparation, in the laboratory, of typical compounds. Two hours attendance. Six hours laboratory. Two hours credit. First semester. MISS FOSSLER.
 4. **Elementary Organic Chemistry**—3 continued. Second semester.
 33. **Physiological Chemistry**—The organic compounds. The chemical processes of physiological importance. Two hours attendance. Four hours laboratory. Two hours credit. First semester. MISS FOSSLER.
 34. **Physiological Chemistry**—33 continued. Second semester.
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HISTORY OF MEDICINE

DOCTOR ORR

1. **History of Medicine and Medical Literature**—A combined lecture and study course which considers the men who have contributed to medical knowledge from the earliest times to the present. One hour lecture. One hour credit. First semester. DOCTOR ORR.
2. **History of Medicine and Medical Literature**—1 continued. This course traces the development of medicine in its different branches

simply as an abstract department of knowledge. Constant reading and note-taking are required and an acquaintance with library methods and with the literature is necessarily obtained. One hour lecture. One hour credit. Second semester.

DOCTOR ORR.

HYGIENE AND PHYSICAL DIAGNOSIS

PROFESSOR TOWNE, PROFESSOR CLAPP

1. **Hygiene**—The history of the subject in brief. Advantages of regular exercise. Bathing and clothing. Care of the eye. Respiration and circulation. Digestion; source, value, and digestibility of foods. Stimulants and narcotics. Ventilation, heating, draining, and plumbing. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester.

PROFESSOR CLAPP.

2. **Physical Diagnosis**—The thorax and thoracic organs alone are considered. The normal signs, as given by inspection, palpation, percussion, and auscultation, are first studied from the normal individual, thus preparing the student for the recognition of the various abnormal conditions. Two hours lecture. One hour demonstration. Two hours credit. Second semester.

PROFESSOR CLAPP.

SANITATION AND STATE MEDICINE

3. **Sanitation and State Medicine**—Relation of the medical profession to public health. Theoretical consideration of the subject. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk and food, sewage and the disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. First semester, junior year.

PROFESSOR TOWNE.

4. **Sanitation and State Medicine**—3 continued. Second semester.

MATERIA MEDICA AND THERAPEUTICS

PROFESSOR CHRISTIE, PROFESSOR JENSEN, DOCTOR KOERBER

MATERIA MEDICA AND PHARMACOLOGY

1. **Materia Medica and Pharmacology** — A systematic outline and detailed study of the various drugs used in the treatment of diseases and their physical and chemical properties; their physiological action; indications of their use, dosage, and the different preparations. The laboratory work is on the methods of handling drugs, prescription-writing, preparing combinations, and the direct effect of drugs on the circulation, kidneys, eye, and gastrointestinal canal. Three hours lecture and recitation. One hour laboratory. First semester.

PROFESSOR CHRISTIE, DOCTOR KOERBER.

2. **Materia Medica and Pharmacology** — 1 continued. Second semester.
3. **Advanced Materia Medica and Pharmacology**—This is in part a continuation of courses 1 and 2. The various drugs used in the treatment of disease are classified according to their application, their action is described, and their therapeutic value dwelt upon. Two hours lecture. First semester. PROFESSOR CHRISTIE.
4. **Advanced Materia Medica and Pharmacology** — 3 continued. Second semester.
5. **Prescription-Writing**—Practical instruction in writing prescriptions. For supposed cases the student writes prescriptions which the instructor criticises and corrects. One hour lecture. First semester. DOCTOR KOERBER

THERAPEUTICS

7. **Therapeutics**—First semester, junior year.
One hour lecture. PROFESSOR CHRISTIE.
One hour quiz. DOCTOR KOERBER.
8. **Therapeutics**—7 continued. Second semester, junior year.
One hour lecture. PROFESSOR CHRISTIE.
One hour quiz. DOCTOR KOERBER.
9. **Therapeutics** A systematic consideration of the use of drugs in their special application to diseased conditions, and a thorough outline of their selection according to indications.

Special attention to the uses of hydro-therapy, vibration treatment, massage, and their mode of application. The class is divided into sections, thereby affording the students opportunity to observe, in the hospital and the dispensary, the practical application of the different means of treatment and their effects, including the use of baths, packs, poultices, blisters, massage, and the use of anæsthetics. First semester.

Two hours lecture.

PROFESSOR CHRISTIE.

One hour quiz.

DOCTOR KOERBER.

10. **Therapeutics**—9 continued. Second semester.

12. **Electro-Therapeutics**—The physics of electricity, the different varieties of currents and their indications, and method of application in the treatment of diseases. A few of the lectures are devoted to X-ray apparatus, and demonstrations of its application, and also to the technique of fluoroscopic examinations and radiography. The College possesses a fine X-ray outfit which is used in demonstrations. One hour lecture. Second semester.

PROFESSOR JENSEN.

PHYSIOLOGY

ADJUNCT PROFESSOR LILLIE; IN OMAHA—DOCTOR LYMAN

1. **Introduction to General and Chemical Physiology**—Special physiology of blood, nerve, muscle, circulation, respiration, digestion, secretion, excretion, nutrition and metabolism. Two hours lecture. Three hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR LILLIE.

2. **Introduction to General and Chemical Physiology**—1 continued. Second semester.

3. **Advanced Physiology**—General and comparative physiology. Application of physical chemistry to problems of physiology. Physiology of the central nervous system and sense organs, special and comparative. Two hours lecture. Four hours laboratory. Two hours credit. First semester, sophomore year.

ADJUNCT PROFESSOR LILLIE.

4. **Advanced Physiology**—3 continued. Second semester.

ZOOLOGY

PROFESSOR WARD, ADJUNCT PROFESSOR WILLARD, MR. BARKER

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thomas microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The departmental library adjacent and freely accessible contains 2,000 works on animal morphology and physiology. A series of specimens from the Naples Zoological Station—one of injected tissues by Thiersch and embryological models by Ziegler and Dahlgren—are among the illustrative material.

GENERAL AND MEDICAL ZOOLOGY

1. **Introduction to Animal Biology and Medical Zoology**—Fundamental properties of protoplasm. Structure and activities of the cell. Its division. Maturation and fertilization of reproductive cells. Their development and differentiation into germ layers, tissues, organs, and animals. Study of animals of special interest in clinical work as hæmatozoa and helminthes. Two hours lecture and quiz. Four hours laboratory. Three hours credit. First semester.

PROFESSOR WARD, MR. BARKER.

2. **Introduction to Animal Biology and Medical Zoology**—1 continued. Second semester.

HISTOLOGY AND EMBRYOLOGY

9. **Normal Histology**—Microscopic structure of tissues and organs, illustrated by drawings, models and demonstrations with lantern and projection microscope. One hour lecture and quiz. Six hours laboratory. Three hours credit. First semester.

ADJUNCT PROFESSOR WILLARD.

10. **Vertebrate Embryology**—Survey of general embryology. Review of the development of man. Laboratory work on the frog, chick, and pig. Methods of graphic and plastic reconstruction. One hour lecture and quiz. Six hours laboratory. Three hours credit. Second semester.

ADJUNCT PROFESSOR WILLARD.

CLINICAL INSTRUCTION

With cases in all departments of medicine and surgery the student is brought face to face. The 200,000 population of Omaha, South

Omaha, and Council Bluffs, with their manufacturing industries, furnish the hospitals a great variety of cases in all branches of medicine and surgery. For instruction in accident and railway surgery there are unusual opportunities.

SECTION CLINICS

At the beginning of each year the senior class is divided into sections of three students each. Some of these attend section clinics daily at the various hospitals, each professor inviting the sections in regular rotation. These section clinics, both medical and surgical, afford extensive facilities for the most effective kind of clinical teaching—individual instruction. In physical diagnosis the student has ample practice, being required to make examinations and to reach a logical diagnosis. The instructor explains each case as fully as possible and then outlines the treatment. By this section-clinic method of instruction the student gets much more positive information than he can in the large general clinics.

CLINICAL DEPARTMENTS

DERMATOLOGY

DOCTOR GAGE

One lecture a week is given throughout the session. Finely executed plates, recently collected in Europe, representing the various diseases of the skin, illustrate the lectures, thus enabling the student to become familiar with the appearance of the skin presenting the characteristic lesions of cutaneous disease. A weekly clinic in the College Dispensary furnishes the student ample opportunity to familiarize himself with the differential diagnosis of many skin diseases, to study the progress of the cases, and note the effect of treatment. Demonstrations are made before the class of the influence of the X-ray applications in lesions adapted to the treatment.

COURSES

1. **Dermatology**—One hour. One hour clinic. First semester, senior year. DOCTOR GAGE.
2. **Dermatology**—1 continued. Second semester.

GENITO-URINARY DISEASES

DOCTOR STOKES

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucuous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

COURSES

1. **Genito-Urinary Diseases**—One hour lecture. One hour clinic.
First semester, senior year. DOCTOR STOKES.
2. **Genito-Urinary Diseases**—1 continued. Second semester.

GYNECOLOGY

PROFESSOR BROWN, DOCTOR PARK, DOCTOR VAN FLEET

The courses comprise a thorough study of this subject, including all the malpositions of the uterus, the inflammations of this organ and of the tubes and ovaries, and their mechanical effects; the various tumors invading these parts; and the causative relation of abnormal puerperal conditions to these affections. A two-hour weekly clinic in the College Dispensary or the Douglas County Hospital furnishes an abundance of cases illustrative of the more common diseases of women, with which the practitioner should be thoroughly familiar. Especial care is taken to guide the student in making personal examination of patients, reaching diagnoses, and observing methods of treatment. Cases requiring operation are sent to the hospital, where sections of the class observe and frequently assist in operations.

COURSES

1. **Gynecology**—One hour lecture. Two hours clinic. First semester, senior year.
PROFESSOR BROWN, DOCTOR PARK, DOCTOR VAN FLEET.
2. **Gynecology**—1 continued. Second semester.

INTERNAL MEDICINE

PROFESSOR GIBBS, PROFESSOR BRIDGES, PROFESSOR MILROY, PROFESSOR HOFFMAN, PROFESSOR TREYNOR, PROFESSOR WARD,
DOCTOR PETERSON, DOCTOR GOETZ
CLINICAL ASSISTANTS:
DOCTOR TRUELSON, DOCTOR WEYMUELLER

1. **Physical Diagnosis**—An exposition of the general principles of the subject, together with demonstrations of the topography of the head, chest, and abdomen. The student is taught the physical signs in health by means of direct personal examination, and the lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year. DOCTOR TRUELSON.
2. **Physical Diagnosis**—1 continued. The physical signs formed in disease, and their clinical demonstration on cases taken from the dispensary and hospital wards. Having familiarized himself with the interpretation of normal signs during the first semester, the student is thus more capable of appreciating abnormal signs resulting from disease.

PROFESSOR MILROY, DOCTOR TRUELSON.

3. **Internal Medicine**—This course considers the general diseases, including infections and diseases of the stomach and intestines, lungs, and kidneys. Subjects including all diseases pertaining to internal medicine are assigned systematically, and regular recitations are held thereon, thus giving the student a more thorough theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease, than did the older method of didactic lecturing. In the clinic in the College building, the cases are selected from the out-door dispensary, and usually represent the seasonal diseases of ambulatory type. First semester, junior year.
(a) Two hours lecture. PROFESSORS GIBBS AND BRIDGES. (b) Four hours recitation. PROFESSORS GIBBS AND BRIDGES, DOCTORS PETERSON AND GOETZ. (c) Two hours clinic. PROFESSORS GIBBS AND MILROY. One hour clinic, Douglas County Hospital or Immanuel Hospital. PROFESSOR MILROY.
4. **Internal Medicine**—3 continued. Second semester, junior year.
5. **Internal Medicine**—This includes subjects not lectured on in the junior year, and the work covered, in part, by recitation in

that year. Especial consideration is given to the elucidation of cases seen in the hospital clinics, and to cases in private practice, illustrative of the subjects under consideration. One hour weekly in conference. Members of the senior class are in rotation assigned cases for examination and study in the dispensary clinic or at one of the numerous hospitals, and are required to make full reports thereon before the class and the professor in charge. A full discussion and report of the case follow when the subjects of etiology, pathology, symptoms, and diagnosis are thoroughly covered. Two clinics are held each week in the college building, where cases are selected from the large amount of material furnished by the dispensary. Two hours weekly are spent at the Douglas County Hospital or the Immanuel Hospital and one hour each at the Omaha and Wise Memorial Hospitals. In this work careful direction is given to the elaboration of clinical histories and to the physical examination of the chest and abdomen. Sputum, urine, and blood of patients under their observation are examined by sections of the class in the college laboratory under the direction of the professor of pathology and make reports thereon. First semester, senior year. (a) Two hours lecture. One hour conference. PROFESSORS GIBBS AND BRIDGES. (b) Two hours clinics in the College. PROFESSORS GIBBS AND MILROY, DOCTORS TRUELSEN AND WEYMULLER. (c) Four hours hospital clinics. PROFESSORS MILROY, GIBBS, BRIDGES AND HOFFMAN.

6. **Internal Medicine**—5 continued. Second semester, senior year.
7. **Special Clinics**—To these clinics in the above-mentioned hospitals and also in the W. C. A. Hospital, Council Bluffs, sections of the senior class are invited in rotation. Especial attention is given to diseases of the heart, lungs, and kidneys. The small classes are enabled to make close study of cases. First semester, senior year. PROFESSORS BRIDGES, GIBBS, MILROY, HOFFMAN, AND TREYNOR.
8. **Special Clinics**—7 continued. Second semester, senior year.
9. **Animal Parasites and Parasitic Diseases**—Lectures on the structure, life history, and distribution of those animals which stand in especial relation to the etiology and transmission of disease. Laboratory exercises and demonstrations on the animal parasites of man, with the technique of helminthological diagnosis. One hour lecture. First semester, senior year. PROFESSOR WARD.

10. **Tropical Medicine**—Twelve lectures on the mode of propagation, methods of prevention, and treatment of the diseases met with in the tropics, including cholera, plague, dysentary, yellow fever, etc. Second semester, senior year. DOCTOR RENO, United States Army.
11. **Life Insurance Examinations**—The examination of applicants for life insurance; the relation of different diseases to the expectancy of life; the influence of heredity, occupation, habits, and the professional relation of the examiner to the company. First semester, senior year. DOCTOR CLOYD.

LARYNGOLOGY AND RHINOLOGY

PROFESSOR OWEN, DOCTOR LEMERE, DOCTOR WHERRY

1. **Laryngology and Rhinology**—This course affords special study of the anatomy and physiology of the upper respiratory tract, and the diseases of the nose, throat, and larynx, and their dependence upon and relation to the various constitutional infections and dyscrasias. One hour lecture. First semester, senior year. PROFESSOR OWEN.
2. **Laryngology and Rhinology**—1 continued. Second semester, senior year.
3. **Principles and Use of the Laryngoscope and Rhinoscope**—The practical application of these instruments in a study of the normal appearances of the nose, throat, and larynx. For this work a dark room with artificial light is fitted up in the College Dispensary. One hour weekly. First semester, senior year. DOCTOR LEMERE, DOCTOR WHERRY.
4. **Clinic**—The dispensary clinic furnishes material for the study of all diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearances and the use of the instruments during the first semester, students are now prepared for practical instruction in the pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel Hospitals. One hour weekly. Second semester, senior year. PROFESSOR OWEN, DOCTORS LEMERE AND WHERRY.

MEDICAL JURISPRUDENCE

PROFESSOR BROGAN

1. **Medical Jurisprudence**—Physician's contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance exam-

inations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year.

PROFESSOR BROGAN.

MENTAL AND NERVOUS DISEASES

PROFESSOR MOORE, PROFESSOR AIKIN, DOCTOR MOGRIDGE

1. **Mental Diseases**—A study of the different forms of insanity; their causes, symptoms, diagnosis, prognosis, and treatment. One hour lecture. First semester, senior year. PROFESSOR MOORE.
3. **Diseases of the Nervous System**—Lectures with demonstrations, on the special anatomy and physiology of the brain and spinal cord, followed by a presentation of the pathological conditions found in these organs, with the symptoms, differential diagnosis, and treatment thereof. The normal and pathological reflexes and the indications of the latter are discussed at length. At the clinic in the College or at the Douglas County Hospital, students study directly patients with nervous and mental diseases, the hospital furnishing an unusual variety in both lines. Differential diagnosis and the various non-restraint treatments of insanity cases are dwelt on. One hour lecture. One hour clinic. First semester, senior year. PROFESSOR AIKIN.
4. **Diseases of the Nervous System**—3 continued. Second semester, senior year.
6. **Arrested Development**—This course considers the causes, manifestations and diagnosis of arrested development. The class spends a day at the Glenwood, Iowa, Institution for the Feeble-Minded. One hour lecture. Second semester, senior year.

DOCTOR MOGRIDGE.

OBSTETRICS

PROFESSOR SOMERS, DOCTOR PARK, DOCTOR POLLARD,
DOCTOR ARTHUR

For practical work in obstetrics there is ample material. In 1903-04 there were about 200 maternity cases. Students who have passed their junior examinations and who remain in the city during the summer vacation, are assigned cases to attend under the direction of Professor Somers and Doctor Arthur.

1. **Anatomy and Physiology of the Female Pelvic Organs**—The development of the ovum, the hygiene and management of pregnancy, its signs, diagnosis, and pathology. The subject of the lectures is assigned for study and recitation. Two hours recitation. First semester, junior year. DOCTOR POLLARD.
2. **Anatomy and Physiology of the Female Pelvic Organs**—1 continued. Second semester, junior year.
3. **The Theory and Practice of Obstetrics as Applied to Normal Labor**—Lectures illustrated by charts, diagrams, and models. One hour lecture. First semester, junior year. DOCTOR PARK.
4. **The Theory and Practice of Obstetrics as Applied to Normal Labor**—3 continued. Second semester, junior year.
5. **Obstetrics**—The mechanism of labor, difficult labor, the pathology of the puerperal state, and the new-born child. Exercises on the manikin in diagnosing position and presentation, including a review of the mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year. PROFESSOR SOMERS.
6. **Obstetric Surgery**—Includes the history and description of the forceps, the perforator, the cranioclast, the cephalotribe, and the indication for, and method of their use. A review of the work of the first semester will also be assigned to this hour. One hour lecture. Second semester, senior year. PROFESSOR SOMERS.
7. **Attendance on Obstetrical Cases**—The various lying-in hospitals, including the Douglas County Hospital with which this College has close affiliation, afford abundant opportunity for the assignment of obstetric cases to members of the senior class. Each student is required to attend three cases before receiving a certificate for graduation. During such attendance he is excused from the College exercises. Under the direction, and in the presence of the professor or one of his assistants, he is required to make examinations, both by abdominal and vaginal palpation, to suggest diagnosis, study the progress of labor, and, in case operative procedure is necessary, to witness and assist at such operation. The practical use of anæsthetics in labor is also taught each student. First semester, senior year.

PROFESSOR SOMERS, DOCTORS PARK AND ARTHUR.

OPHTHALMOLOGY AND OTOTOLOGY

PROFESSOR GIFFORD, ADJUNCT PROFESSOR BICKNELL,
DOCTOR LEMERE

COURSES

1. **Ophthalmology and Otology**—The external and internal diseases of the eye and ear, and their differential diagnosis, are systematically considered. The basis of refractive errors and the method of their correction receive due attention. One hour lecture. First semester, senior year. PROFESSOR GIFFORD.
2. **Ophthalmology and Otology**—1 continued. Second semester, senior year.
3. **The Anatomy and Physiology of the Eye and Ear, and Practical Instruction in the Use of the Ophthalmoscope and Otoscope**—Each student has opportunities to study, in the dark rooms at the College Dispensary, the appearances of the normal fundus of the eye and of the drum membrane of the ear. One hour weekly. First semester, senior year. ADJUNCT PROFESSOR BICKNELL.
4. **Clinic in Ophthalmology and Otology**—The large clinic at the Omaha Hospital furnishes abundant opportunity for the student to observe cases illustrative of the lectures on the eye and ear, and for the instructor thoroughly to impress on him these points in practical diagnosis. Frequent operations for strabismus, cataract, glaucoma, and defects of the lids, and also for otitis, mastoiditis, and trephining. Section clinics in the College Dispensary also furnish material in the more common affections of both eye and ear. First semester, senior year. Hospital clinic. Two hours weekly. PROFESSOR GIFFORD, ADJUNCT PROFESSOR BICKNELL. Sectional clinics, DOCTOR LEMERE.
5. **Clinics in Ophthalmology and Otology**—4 continued. Second semester, senior year.

PEDIATRICS

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

1. **Pediatrics**—This course considers all the gastro-intestinal diseases, the infections, the discrasiae, and the important part played by errors of diet in their production. Milk modification in all its

methods are described in detail, including the working out of percentages. The history and technique of intubation receives attention. Clinics at the College Dispensary, where many cases of the ordinary affections of infancy and childhood appear, afford practical application of the subject of the lectures. One hour lecture. One hour clinic. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE.

2. **Pediatrics**—1 continued. Second semester, senior year.
3. **Care of Children**—Instruction in the care, hygiene, and feeding of infants, cranial measurements, and physical development. One hour lecture. First semester, senior year. DOCTOR CHRISTIE.
4. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute, where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever, whooping cough and others as they occur in epidemic form. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE.

5. **Section Clinics in Pediatrics**—4 continued. Second semester.

SURGERY

PROFESSOR JONAS, PROFESSOR DAVIS, PROFESSOR MACRAE, PROFESSOR MACRAE, JR., PROFESSOR STOKES, DOCTOR UPDEGRAFF, DOCTOR LUDINGTON, DOCTOR HUNT, DOCTOR EDMISTON, DOCTOR DANDY, DOCTOR MORISON.

1. **Principles of Surgery**—The principles of surgery with a full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, and operative and non-operative methods of treatment. Subjects are assigned for recitation covering the lectures on the principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. At the general clinic at the College Dispensary cases are presented for diagnosis, operation, and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. The clinic at the Douglas County or Immanuel Hospitals where operations are performed for all manner of surgical diseases, affords excellent opportunity for demonstrating the subjects of the lecture and recitation courses. The practical use of anæsthetics, both local and general, receive due consideration at

this clinic. First semester, junior year. (a) Two hours lecture. PROFESSOR DAVIS. (b) Four hours recitation. DOCTORS LUDINGTON AND UPDEGRAFF. (c) Two hours dispensary clinic. One hour hospital clinic. PROFESSORS JONAS AND DAVIS, DOCTORS UPDEGRAFF, LUDINGTON DANDY, AND MORISON.

2. **Principles of Surgery**—1 continued. Second semester, junior year.

3. **Bandaging**—The uses and application of bandaging, plaster of Paris (including its preparation), and other surgical dressings. Under the direction of the instructor students are required to apply dressings. One hour weekly. First semester, junior year.
DOCTOR EDMISTON.

4. **Practice of Surgery**—Covers part of the ground gone over in the recitation in the junior year. References to observations in hospital clinics are frequently recalled and elaborated to fix essential points in diagnosis and treatment. The subjects of the hospital clinics are brought up for conference in the classroom when cases are more thoroughly discussed than the time allotted to operative work permits. Members of the class in rotation are assigned cases for examination, or illustrative cases are cited upon which they are required to make reports on diagnosis, pathology, and treatment. These reports are critically discussed in conference. Two hours general clinic at the College Dispensary, principally on minor surgery, including examination, diagnosis, treatment, and minor operations. Two hours at the Omaha Hospital in general and major surgery at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated, at which there are regular operations on all regions of the body, including celiotomies and amputations. Two hours at Immanuel, Wise Memorial, or Douglas County Hospitals, also furnish opportunity for similar instruction. Members of the class are required to assist at operations and administer anæsthetics under direction, as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. PROFESSOR JONAS. (b) Six hours clinic. PROFESSORS JONAS AND DAVIS.

5. **Practice of Surgery**—4 continued. Second semester, senior year.

6. **Demonstrations**—Each member of the class is individually instructed in performing surgical operations on the cadaver. He is

required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection, trephining, etc. Second semester, senior year.

PROFESSOR JONAS, DOCTOR MORISON.

7. **Section Clinics**—Special clinics by appointment in all of the hospitals mentioned above and the Womens' Christian Association Hospital, Council Bluffs. These clinics afford work in all branches of general and special surgery. First semester, senior year.

PROFESSORS JONAS, DAVIS, MACRAE, MACRAE JR.,
BROWN AND STOKES.

8. **Section Clinics**—7 continued. Second semester.

10. **Oral Surgery**—A short course of lectures on the surgery of the mouth, in its relation to diseases of the teeth, and alveolar processes; the care of the teeth, and the influence of neglect of the mouth in the production of general and stomach disorders. Second semester, senior year.

DOCTOR HUNT.

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—A description of the various deformities, their diagnosis, pathology, and treatment; also of the different joint diseases, their mechanical and other treatment. The practical study of the subjects of the lectures is pursued at the surgical clinics in the Omaha and Douglas County hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year. PROFESSOR JONAS.
2. **Orthopedic Surgery**—1 continued. Second semester.

COLLEGE OF MEDICINE

STUDENTS—150

SENIORS—32

ALLIBAND, GEORGE ARTHUR.....	Griswold, Iowa
BELLINGER, SMITH W.....	Council Bluffs, Iowa
BENING, JOHN FRED.....	Sutton
CAMPBELL, ROSCO.....	Mt. Ayr, Iowa
DECKER, JAY C.....	Council Bluffs, Iowa
DEMPSTER, ROY PAXSON.....	Omaha
EBY, CHARLES DANIEL.....	Grand Island
EDWARDS, JAMES ARCHIBALD.....	Glenwood, Iowa
EVERETT, OLIVER W.....	Lincoln
GATES, FRANK VERNON.....	Glidden, Iowa
HART, JOHN FRANKLIN.....	Hastings
HUMMER, WARREN LEE.....	Panora, Iowa
KARRER, FRED WILLIAM.....	Osceola
KERR, JOHNSTON HARPER.....	Akron, Iowa
KNODE, RAY ARCHIBALD.....	Omaha
KOHOUT, JOSEPH A.....	Wilber
MCARTHUR, HECTOR.....	Omaha
MEISENBACH, JACOB EDWARD.....	Norman
MERRITT, EDWIN ATKINS.....	Red Oak, Iowa
NELSON, NEIL DAVID.....	Laramie, Wyo.
NYE, MARK ALVA.....	Lexington
PANTER, ROBERT CARPENTER.....	Dorchester
PEDERSEN, PETER MARIUS.....	Danneborg
PATTON, JAMES McDOWELL.....	Bloomfield
PENNER, HENRY GERHARD.....	Beatrice
PENNER, LOUIS.....	Beatrice
PREST, JOHN ELRY.....	McCool Junction
PETR, FRANCIS.....	Clarkson
SAMPLE, THOMAS EDWARD.....	Harvard
STUART, ALBERT BERRY.....	Harland, Iowa
TROSTLER, ISADORE SIMON.....	Omaha
UNDERWOOD, ROBERT BORDEN.....	Eldoria, Iowa

JUNIORS—26

ADAMS, BURTON ABEL.....	Hazel, S. D.
ANDERSON, WILLIAM HUGH.....	Council Bluffs, Iowa
ARBOGAST, HOYE JOHN.....	Bartley
BAKER, MILAN DANIEL.....	Tilden
EMPEY, ERNEST SIDNEY.....	Papillion
GARLAND, HARRIE SANBORN.....	Harland, Iowa
HEINE, WILLIAM HOWARD.....	Hooper
HOLM, ADOLPH HJALMAR.....	Wolbach
JEFFERS, BERTRAND FREDERICK	Valentine
KENNEDY, CHARLES REX	Plattsmouth
LANE, ARTHUR ERNEST	Council Bluffs, Iowa
LAUZER, EDWARD S.....	Hutchinson, Minn.
MCDONALD, GRUNDY E.....	Pierce
MASON, CLAUDE WILLIAM.....	Omaha
MILLER, CLINTON JAMES.....	Kennedy, S. D.
MORRIS, GEORGE HENRY.....	Creston, Iowa
MORRISON, GEORGE ANDREW.....	Bradshaw
PEDERSEN, HANS CHRISTIAN	Dannebrog
POLEVOY, NINA.....	Vermillion, S. D.
POTTER, GEORGE BENJAMIN.....	Omaha
RUMERY, ARTHUR CLARK.....	Mason City
SMITH, ELDON JESSE.....	South Omaha
SWOBODA, FRANZ.....	Omaha
THOMSEN, JOHN.....	Audubon, Iowa
WAINWRIGHT, CORNELIUS ISAAC.....	Gretna
WIGTON, HARRISON A.....	Omaha

SOPHOMORES—14

COATS, ALBERT JAMES	Grand Rapids, Mich.
DEBEY, JOHN GERARD	Holland
EMERSON, CLARENCE	Lincoln
EPPLEN, FREDERICK	Omaha
FAIRCHILD, NORA MAY	Kennard
FULLER, JOHN ANDRE	Omaha
HANSON, DAISY MAY	Lincoln
MORSMAN, LESLIE W.....	Omaha
PALMER, CLAUD.....	Pacific Junction, Iowa

POOLE, VENUS W.....	Lincoln
ROBERTSON, EDWIN NORRIS.....	Omaha
VALENTINE, EDWARD.....	Omaha
WILLIS, CHARLES HENRY.....	Lincoln
WRIGHT, JOHN.....	Wilcox

FRESHMEN—33

ACKLEY, GUY WINFIELD.....	Juniata
ADAMS, ROY BENNETT.....	Lincoln
ALLEN, JOHN FRANKLIN.....	Bradshaw
ARNOLD, ELMER WILLIAM.....	Lincoln
BERG, MATILDA LOUISA.....	Dannebrog
BUIS, JOHN.....	Holland
CHRISTY, EDGAR.....	Scribner
CLARK, IRA JOSEPH.....	McCook
HAMILL, ROBERT ANDERSON.....	Lincoln
HANNA, LEO GREGORY.....	Providence, R. I.
HARRISON, PAUL WILBERFORCE.....	Scribner
HYDE, JOHN FAX.....	Normal
JOHNSTON, ELDON THOMAS.....	Omaha
LIEBER, CHARLES.....	Ft. Crook
MANVILLE, LEON ALBERT.....	Spencer
MEREDITH, ERNEST LEWIS.....	Ashland
MUNDAY, D. DARLYNE.....	Edison
PAINE, ANDREW EVERETT.....	Lyons
PLATZ, ADA.....	Lincoln
POTTS, JOHN BEEKMAN.....	Pawnee City
PRICHARD, GEORGE WINTHROP.....	University Place
PRUNER, WILLIAM H.....	Kennard
STANLEY, EMORY DAY.....	South Omaha
STOAKES, CHARLES STEWART.....	Lincoln
STOKES, GUY P.....	Sioux Falls, S. D.
SULLIVAN, GEORGE WEBSTER.....	Lincoln
TUCKER, ADA ALMIRA.....	Lincoln
TUCKER, WINIFRED MARIE.....	Lincoln
WALKER, GEORGE HEMAN.....	Norfolk
WARE, EDWARD MILLER.....	Pawnee City
WARNER, MERLE F.....	Council Bluffs, Iowa
WEKESER, HENRY PETER.....	Lincoln
WOODARD, JAMES MADISON.....	Aurora

THE SIX YEAR COMBINED COURSE

SECOND YEAR—13

CHARLTON, ALBERT TUTTON	Ord
DAYTON, FRANK THOMPSON.....	Lincoln
FARNSWORTH, SALINA ESTHER.....	Lincoln
LAMBERT, SCHUYLER COLFAX	Neligh
MOORE, JOHN CLYDE.....	Omaha
MORROW, FRANK HENRY.....	Atkinson
PENFIELD, N. LOUIS.....	St. Edward
RINKER, CASPER LUCAS ABEL.....	Lincoln
RUBENDALL, CLARENCE.....	Madison
SIDWELL, LAWRENCE TWEEDY	Omaha
SKEEN, EARL DONOVAN.....	Omaha
SOMERVILLE, GLENN A.....	McCook
THOMPSON, IRWIN LEVI.....	West Point

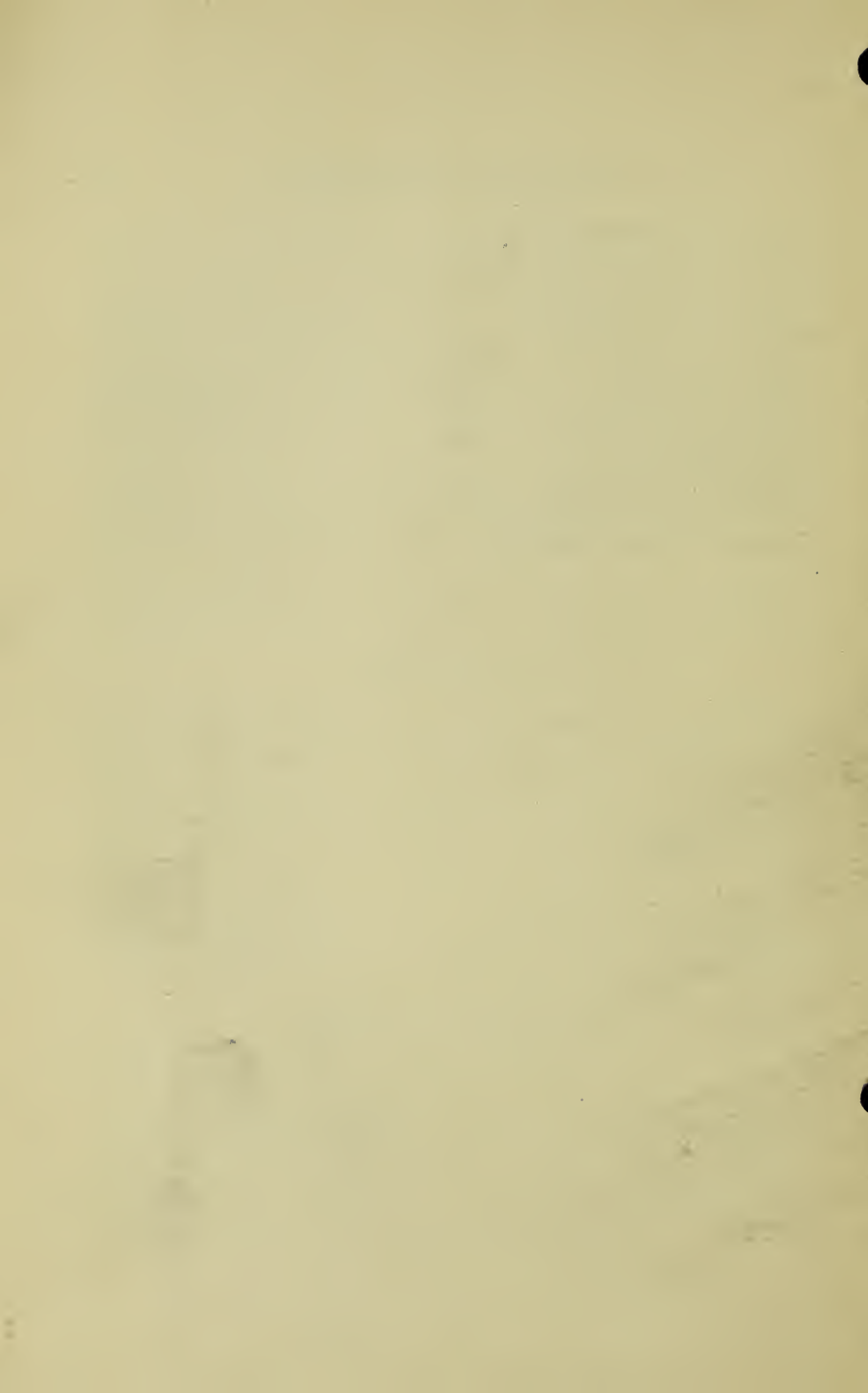
FIRST YEAR—11

DECOU, ROBERT AUSTIN.....	Lincoln
GRAMLICH, RALPH CLIFFORD.....	South Omaha
HENNY, WILLIAM HENRY.....	De Smet, S. D.
HEWIT, GEORGE LINUS	Friend
HOFF, JOHN CHRISTOPHER.....	Wisner
HOSPERS, JACOB C.....	Orange City, Iowa
IVINS, RICHARD LYNN.....	Omaha
MANTOR, HARRY LYMAN.....	Cozad
PUTNAM, FRANK ISRAEL.....	Omaha
SIMMS, JOHN SHAFFER.....	Alma
WILSON, JAMES LEE.....	Rushville

UNCLASSSED STUDENTS—21

ANDRESON, PAUL SELBY.....	Lincoln
BOGGS, JAMES EFLO.....	Lincoln
BOSTON, CLYDE THOMAS	Lincoln
BRADSHAW, THOMAS LEVERNE.....	Superior
BRANSON, CHARLES BLAINE.....	Kearney
BRIGHAM, BYRON DEANE	Tamora
CAMPION, WILLIAM JOSEPH	Beaver Crossing
CONKLING, RALPH D.....	Tekamah

DAILEY, THOMAS EDWARD.....	Lincoln
DORWART, JASON WATSON.....	Friend
FELLERS, ELBERT WESLEY	University Place
GIFFORD, ARTHUR BEDFORD	Lincoln
HOUSEL, WILLIAM ALVIN	Bethany
JAMES, DAVID BURT.....	Lincoln
KIRK, JAMES REAMS.....	Burr Oak, Kas.
LEWIS, HARVEY NELSON.....	College View
MEREDITH, BRUCE CLYDE	York
OLSON, EDDIE MARTIN	Orleans
REDFERN, DOC LEONARD.....	Auburn
STURDEVANT, LA ZELLE BRANTLEY.....	Atkinson
TOROSSIAN, MIHRAN HACHER.....	Lincoln





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1905/06

University Bulletins

Series X. Number 5

THE UNIVERSITY OF NEBRASKA

COLLEGE OF MEDICINE

ANNOUNCEMENT

1903-1906



MAY 1905
THE UNIVERSITY PRESS
Lincoln, Neb.

The bulletins of the University are issued one or more every month during the college year. One each is issued for the Graduate School, the College of Literature, Science and the Arts, the Industrial College, the College of Law, the College of Medicine, and the schools of Art, Agriculture, Domestic Science, Mechanic Arts, and Music. The bulletins are entered at the Lincoln post-office as second-class matter. They are furnished gratuitously, postage paid, to all who apply for them. In asking for bulletins, name the department of the University concerning which information is desired. Address

THE REGISTRAR,

THE UNIVERSITY OF NEBRASKA,

Lincoln, Nebraska.

CALENDAR THE COLLEGE OF MEDICINE

FOR THE WORK IN LINCOLN

1905

September 19	Tuesday	First Semester begins.
September 19-22	Tuesday-Friday	Entrance examinations and registration.
September 23	Saturday	Opening address by the Chancellor.
November 29	Wednesday, 6 P.M.	Thanksgiving recess begins.
December 4	Monday, 8 A.M.	Thanksgiving recess ends.
December 21	Thursday, 6 P.M.	Christmas vacation begins.

1906

January 2	Tuesday, 8 A.M.	Christmas vacation ends.
Jan. 29-Feb. 2	Monday-Friday	First Semester examinations. Examination and registration for the second Semester.
February 5	Monday	Second Semester begins.
February 15	Thursday	Charter Day. Tenth Mid-winter Commencement.
April 4	Wednesday, 6 P.M.	Easter recess begins.
April 10	Tuesday, 8 A.M.	Easter recess ends.

FOR THE WORK IN OMAHA

1905

September 19	Tuesday	Opening address.
September 20	Wednesday	Lectures begin.
November 29	Wednesday, 6 P.M.	Thanksgiving recess begins.
December 4	Monday, 8 A.M.	Thanksgiving recess ends.
December 22	Friday, 6 P.M.	Christmas vacation begins.

1906

January 2	Tuesday	Christmas vacation ends.
Jan. 29-Feb. 2	Monday-Friday	First Semester examinations.
February 5	Monday	Second Semester begins.
February 22	Thursday	Washington's birthday—holiday.
May 11	Friday	All lectures end.
May 12-22	Saturday-Tuesday	Examinations.
May 24	Thursday	Commencement.

THE UNIVERSITY

THE UNIVERSITY OF NEBRASKA includes the following colleges and schools:

THE GRADUATE SCHOOL. Courses leading to the degree of Master of Arts and Doctor of Philosophy.

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS. A four years' course leading to the degree of Bachelor of Arts.

THE INDUSTRIAL COLLEGE including (the agricultural, engineering, and scientific groups). A four years' course leading to the degree of Bachelor of Science.

THE COLLEGE OF LAW. A three years' course leading to the degree of Bachelor of Laws.

THE COLLEGE OF MEDICINE. A four years' course leading to the degree of Doctor of Medicine.

THE SCHOOL OF FINE ARTS. Instruction in drawing, painting, wood-carving, modeling, etching, and the history of art.

THE SCHOOL OF MUSIC. Affiliated with the University. Instruction in all grades of instrumental and vocal music.

THE SCHOOL OF AGRICULTURE. A secondary school training primarily for practical farm life.

THE SCHOOL OF DOMESTIC SCIENCE. A secondary school teaching the principles of household economics.

THE SCHOOL OF MECHANIC ARTS. A secondary school teaching the principles of practical mechanics.

THE SUMMER SESSION. A six weeks' course primarily for teachers.

THE NEBRASKA EXPERIMENT STATION and the EXPERIMENTAL SUB-STATION at North Platte are also in charge of the Board of Regents.

The total attendance in 1903-1904 was 2,513.

THE FACULTY OF THE COLLEGE OF MEDICINE

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

University Hall 102

HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine and Professor of Zoology

Nebraska Hall 204

HAROLD GIFFORD, B.S., M.D.

Associate Dean of the College of Medicine and Professor of

Ophthalmology and Otology

405 Karbach Block, Omaha

RICHARD CHANNING MOORE, M.D.

Professor of Diseases of the Mind

312 McCague Building, Omaha

DONALD MACRAE, M.D.

Professor of Railroad and Clinical Surgery

252 Merriam Block, Council Bluffs, Ia.

WELLINGTON SMITH GIBBS, M.D.

Professor of Principles and Practice of Medicine and

Clinical Medicine

202 Brown Block, Omaha

EWING BROWN, M.D.

Professor of Didactic and Clinical Gynecology

McCague Building, Omaha

WILLIAM FORSYTH MILROY, M.D.

Professor of Clinical Medicine and Physical Diagnosis

312 McCague Building, Omaha

WILLSON ORTON BRIDGES, M.D.

Professor of the Principles and Practice of Medicine and

Clinical Medicine

302 Bee Building, Omaha

THE UNIVERSITY OF NEBRASKA

WILLIAM HENRY CHRISTIE, M.D.

Professor of Materia Medica and Therapeutics

48 Barker Block, Omaha

AUGUST FREDERICK JONAS, M.D.

Professor of the Practice of Surgery and Clinical Surgery

18 Continental Block, Omaha

HARRY MONROE McCLANAHAN, A.M., M.D.

Professor of Pediatrics

1312 North 40th Street, Omaha

OSCAR SAMUEL HOFFMAN, M.D.

Professor of Clinical Medicine

324 Bee Building, Omaha

BYRON BENNETT DAVIS, A.B., M.D.

Professor of the Principles of Surgery and Clinical Surgery,

202 Bee Building, Omaha

FRANK STYLES OWEN, M.D.

Professor of Laryngology and Rhinology

209 Karbach Block, Omaha

DONALD MACRAE, JR., M.D.

Professor of Clinical Surgery

252 Merriam Block, Council Bluffs, Iowa

VERNON LAWRENCE TREYNOR, M.D.

Professor of Clinical Medicine

Baldwin Block, Council Bluffs, Iowa

ARTHUR CHARLES STOKES, B.S., M.D.

Professor of Genito-Urinary and Rectal Surgery

400 Bee Building, Omaha

ANDREW BARTHOLOMEW SOMERS, M.D.

Professor of Obstetrics

23 Continental Block, Omaha

OLON RODNEY TOWNE, M.D.

Professor of Hygiene and State Medicine

22 Continental Block, Omaha

JOSEPH MELANCTHON AIKIN, M.D.

Clinical Professor of Nervous Diseases

401 Brown Block, Omaha

HANS PETER JENSEN, M.D.

Professor of Electro-Therapeutics

2804 Harney Street, Omaha

RAYMOND GUSTAVUS CLAPP, M.D.

Professor of Physical Education

Memorial Hall

FRANCIS ALBERT BROGAN, A.B., LL. B.

Professor of Medical Jurisprudence

412 New York Life Building, Omaha

CHARLES EDWIN BESSEY, PH.D., LL.D.

Professor of Botany

Nebraska Hall 110

ROBERT HENRY WOLCOTT, A.M., M.D.

Professor of Anatomy

Mechanic Arts Hall 300

HERBERT HAROLD WAITE, A.M., M.D.

Associate Professor of Bacteriology and Pathology

University Hall A

WILLIAM HULL RAMSEY, M.D.

Assistant Professor of Anatomy

224 Bee Building, Omaha

BENTON DALES, PH.D.

Assistant Professor of Chemistry

Chemical Laboratory

THE UNIVERSITY OF NEBRASKA

WILLIAM ALBERT WILLARD, A.M.

Assistant Professor of Zoology

Nebraska Hall 206

ANNE BARR-CLAPP

Adjunct Professor of Physical Education and Director of
the Women's Gymnasium

Memorial Hall

RUFUS ASHLEY LYMAN, A.M., M.D.

Adjunct Professor of Pharmaco-dynamics

Nebraska Hall

GEORGE HAMLIN BICKNELL, M.D.

Adjunct Professor of Ophthalmology and Otology

405 Karbach Block, Omaha

PAUL HAGANS LUDINGTON, A.B., M.D.

Adjunct Professor of the Principles of Surgery

224 Bee Building, Omaha

ELMER JAMES UPDEGRAFF, M.D.

Adjunct Professor of the Practice of Surgery

19 Continental Block, Omaha

BENJAMIN FRANKLIN PARK, M.D.

Adjunct Professor of Obstetrics

600 Paxton Block, Omaha

AARON WELCH EDMISTON, M.D.

Instructor in Bandaging and Surgical Dressings

3 Creighton Block, Omaha

ALFRED OLAF PETERSON, A.M., M.D.

Instructor in Internal Medicine

16th and Howard streets, Omaha

AVINGTON ADAM EDGINGTON, M.D.

Instructor in Anatomy and Associate Demonstrator

Omaha

THE COLLEGE OF MEDICINE

9

GEORGE BROWN DANDY, M.D.

Instructor in Anatomy

Omaha

MARY LOUISE FOSSLER, A.M.

Instructor in Chemistry

Chemical Laboratory

PAUL KOERBER, M.D.

Instructor in Materia Medica and Therapeutics

Yutan

BURTON WHITFORD CHRISTIE, B.Sc., M.D.

Instructor in Pediatrics

48 Barker Block, Omaha

THOMAS TRUELSEN, M.D.

Instructor in Physical Diagnosis and Clinical Assistant in Medicine

600 Paxton Block, Omaha

Instructor in Dermatology

Omaha

JAMES SAMUEL GOETZ, M.D.

Instructor in Internal Medicine

324 Bee Building, Omaha

CHARLES WHITNEY POLLARD, A.B., M.D.

Instructor in Obstetrics

409 Paxton Block, Omaha

FRANKLIN DAVIS BARKER, A.M.

Instructor in Zoology

Nebraska Hall 204

GEORGE MOGRIDGE, M.D.

Lecturer in Arrested Development

Glenwood, Iowa

AUGUSTUS DAVIS CLOYD, M.D.

Lecturer in Life Insurance Examinations

Woodmen Building, Omaha

THE UNIVERSITY OF NEBRASKA

ALFRED ONIAS HUNT, D.D.S.

Lecturer in Dental Surgery

12th and Pacific streets, Omaha

HIRAM WINNETT ORR, M.D.

Lecturer in History of Medicine

1238 O Street, Lincoln

LEE BRADLEY VAN CAMP, M.D.

Demonstrator of Anatomy

301 Paxton Block, Omaha

WILLIAM PENALUNA WHERRY, M.D.

Clinical Assistant in Laryngology and Rhinology

Omaha

CHARLES CAMPBELL MORISON, A.B., M.D.

Clinical Assistant in Surgery

Omaha

CHARLES WILLIAM McCORKLE POYNTER, M.D.

Quiz Master in Human Anatomy

1105 O Street, Lincoln

DAVID CLARK HILTON, A.M., M.D.

Assistant Demonstrator of Anatomy

1240 O Street, Lincoln

LAWRENCE B. PILSBURY,

Assistant in Bacteriology

University Hall A

CHARLES AARON HULL, M.D.

Clinical Assistant in Surgery

Omaha

ALBERT JAMES COATS

Assistant in Anatomy

Mechanic Arts Hall 300

JOHN FRANKLIN ALLEN

Assistant in Anatomy

Mechanic Arts Hall 300

DISPENSARY STAFF

INTERNAL MEDICINE

DOCTOR GIBBS DOCTOR MILROY
ASSISTANT: DOCTOR TRUELSON

SURGERY

DOCTOR JONAS DOCTOR DAVIS
ASSISTANTS: DOCTOR MORISON DOCTOR SCRUGGS

EYE AND EAR

DOCTOR GIFFORD DOCTOR BICKNELL
ASSISTANT: DOCTOR LEMERE

NOSE AND THROAT

DOCTOR OWEN
ASSISTANTS: DOCTOR LEMERE DOCTOR WHERRY

PEDIATRICS

DOCTOR McCLANAHAN
ASSISTANT: DOCTOR B. W. CHRISTIE

OBSTETRICS

DOCTOR SOMERS
ASSISTANTS: DOCTOR PARK DOCTOR POLLARD DOCTOR ARTHUR

GYNECOLOGY

DOCTOR BROWN

NERVOUS DISEASES

DOCTOR AIKIN

DERMATOLOGY

DOCTOR ———

GENITO-URINARY SURGERY

DOCTOR STOKES

SECRETARY OF THE CLINICDOCTOR LUDINGTON

—————**HOSPITAL APPOINTMENTS**

OMAHA HOSPITAL..... JAY C. DECKER, M.D.
IMMANUEL HOSPITAL..... ROBERT CARPENTER PANTER, M.D.
DOUGLAS COUNTY HOSPITAL..... FRED WILLIAM KARRER, M.D.

THE COLLEGE OF MEDICINE

ORGANIZATION

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and has experienced strong and steady growth.

As an integral part of the University the College has been able to reorganize its work along the most advanced lines. The requirements for entrance have been placed on a level with those of the best medical colleges, thus preparing the student properly for the improved advantages at his disposal.

The work of the first two years is carried on at Lincoln, where the University places at the disposal of the student, in the first years of his study of medicine, advantages such as but comparatively few medical schools in the country offer. The University's laboratories, directed by men of thorough training and large experience who devote their entire time to instruction and supervision, are well equipped with modern appliances.

The work of the last two years is done exclusively at the College in Omaha, the population of which city and the adjoining communities numbering 200,000 affords unusual clinical facilities. These facilities the College is constantly strengthening.

ADMISSION

The College of Medicine offers courses leading to the degree of Doctor of Medicine. A student may pursue a combined collegiate and medical course, receiving at the end of four years the bachelor's degree, and at the end of six years the degree of Doctor of Medicine.

Candidates are admitted by examination or on certificate from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session.

Applicants for admission present themselves to the registrar who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the freshman class without examination should apply to the registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

REQUIREMENTS FOR ADMISSION

For admission to the freshman class in the College of Medicine a candidate must present entrance "credits" equal to 30 "points" (see below) or a total of 150 recitation or credit hours. Conditional admission is permitted on the minimum of 24 credit points or 120 credit hours, but the student must remove all entrance requirements before he may be admitted to full sophomore standing.

A credit "point" presupposes the work of five recitations a week of not less than 40 minutes each during a period of at least 18 weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—18 Points

Algebra (to simultaneous quadratics), 1 year, 5 hours a week.....	2
Geometry (Plane), 1 year, 5 hours a week.....	2
English Composition, 2 years, 5 hours a week.....	4
History (Greek and Roman or American), 1 year, 5 hours a week..	2
Language (2 points must be Latin), 2 years, 5 hours a week.....	4
Science (physics, together with chemistry, botany, or zoology), 2 years, 5 hours a week.....	4

OPTIONAL SUBJECTS—12 Points

In addition to these required subjects for which no substitutes are accepted, applicants must present evidence of

preparation in 8 points to be chosen from the following optional list :

English, 1 year, 5 hours a week.....	2
History, 3 years, 5 hours a week.....	6
Language, 3 years, 5 hours a week.....	6
Manual Training, 1 year, 5 hours a week.....	2
Mechanical Drawing, ½ year, 5 hours a week.....	1
Natural Science (botany, zoology), 1 year, 5 hours a week.....	2
Physical Science (chemistry, physics), 1 year, 5 hours a week.....	2
Trigonometry, ½ year, 5 hours a week.....	1
Astronomy	} ½ year, 5 hours a week, not more than 3 points accepted, each 1
Civics	
Geology	
Physical geography	
Physiology and hygiene	
Political economy	

In view of the necessity of a broad basis for the comprehension of the problems underlying modern scientific medicine, the University intends at an early date to raise the requirements for entrance to the College of Medicine so as to include one year of college study above the high school course. The six-year combined course offers the most desirable preparation for success in the practice of medicine and students are urged to avail themselves of the advantages offered therein.

REGISTRATION

Students are required to register promptly at the beginning of each semester.

To promote prompt registration a registration fee of \$3 is charged a student who, without good reason, fails to register during the first six week days of the semester. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

No regular student is registered for less than twelve (12) hours nor for more than eighteen (18) hours a semester without the dean's permission.

A student taking the combined six-year course for the degree of Bachelor of Arts or Bachelor of Science and the degree of Doctor of Medicine must matriculate and register in the College of Medicine at the beginning of the third year's work of the combined course and must regularly thereafter register as a student in the College of Medicine. If he is to be a candidate for the bachelor's degree, he must at the same time continue to register either in the College of Literature, Science and the Arts, or in the Industrial College.

The courses in human anatomy, pathology, and medical zoology are open only to students registered in the College of Medicine. A junior or senior in the College of Literature, Science, and the Arts or in the Industrial College may take any of these courses by registering as an unclassified student in the College of Medicine and paying the laboratory fees attached to the course or courses chosen and also a pro-rata tuition fee, provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5 a semester. In anatomy the minimum charge is \$15 a semester.

When circumstances warrant and the accommodations are sufficient to allow it without detriment to the work of candidates for degrees, students not seeking a degree are admitted as unclassified.

Students cannot attend classes for which they are not

registered and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the dean of his college.

Any change in a student's residence must be immediately reported to the registrar.

A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

The dean of the college in which a student registers is that student's adviser. Each dean has a consultation hour in the deans' room, University Hall 107, where students may call seeking advice or encouragement in their work.

ADVANCED STANDING

Advanced standing may be granted as follows to applicants presenting proper credentials:

Graduates of recognized universities or colleges are given credit for any work in the medical branches which

they have successfully completed in the college course and which is the full equivalent of corresponding work in the medical curriculum. Such a student may receive the medical degree in not less than three years, provided he completes the remainder of the regular medical curriculum within that time.

Graduates of colleges of dentistry or pharmacy are accorded such standing as their credentials warrant.

Graduates of colleges of homeopathy or eclectic medicine requiring a four years' course are admitted to the senior year.

Students of other medical colleges in good standing are, on presenting certificate of honorable dismissal, admitted to the class to which credentials issued by such colleges entitle them.

In all these cases the applicant for advanced standing must offer admission credits equal to those required by this college.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Medicine are as follows:

1. The candidate must be twenty-one years of age.
2. His moral character must be unquestioned.
3. He must have complied with all the requirements of admission and have paid all his fees.
4. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.

5. He must have pursued the study of medicine four years and received credit for at least four full courses of instruction in different years at medical schools in good standing, unless he be a college graduate granted time credits under the conditions specified above. The last course he must have taken in this institution.

6. He must have undergone a full and satisfactory written and oral examination at the termination of the course.

SUMMER SESSION

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements in certain lines of medical work.

COURSES AND METHODS OF INSTRUCTION

The course of study covers four years of nine months each. During the first two years those strictly scientific branches are pursued which form the basis for the technical studies of the last two years. In the laboratory independent work only is accepted. None of the courses are mere demonstrations. This objective method of instruction is followed not only in the laboratory study of the first two years but also in the clinical work of the last two, where constant use is made of the facts acquired from laboratory teaching in the fundamental branches.

The courses embrace also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in the laboratory. Frequent quizzes and examinations test

progress in each line of work. It is the aim to keep each student informed at all times regarding his standing in every branch so that he can pass no subject without thoroughly mastering it.

The size of the classes permits personal instruction in every topic, each student standing continually close to his instructors. This fact is of the utmost importance in the last two years of the course. The small number of students and the sectional method of clinical instruction which is thereby rendered possible, bring the individual student into intimate contact with his clinical instructors, afford him an opportunity to study each case thoroughly and at short range, and allow him to secure a large amount of bedside instruction.

If a student finds it necessary to leave the University, he may obtain a certificate for his work in the medical course which will enable him to enter any other medical college belonging to the American Association of Medical Colleges.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found under the head of "Courses of Instruction" in connection with the different departments represented.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, embodies the best features of modern medical-school buildings. It is a brick and stone structure, having four stories above the basement.

On the first floor are the student's lobby and the free dispensary. The latter comprises a waiting room for patients, a drug room and numerous departmental clinic rooms for the systematic examination and treatment of patients.

On the second floor are the amphitheater with a seating capacity for 250, the office, the library, the reading room, the X-ray room and a commodious coat room.

On the third floor are the dissecting room accommodating 100 students, the chemical laboratory thirty by fifty feet, private rooms for the professors of anatomy, chemistry and biology, and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in chemistry.

The fourth floor is wholly given up to microscopic work. The laboratories, occupying a space one hundred by thirty-five feet, have light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit.

The histological and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by means of projection apparatus.

By these arrangements it is possible so to individualize the laboratory work that whenever a student finds a spare hour he can resort to the laboratory and utilize it profitably.

With the transfer of the entire work of the first two years to Lincoln, much additional space has been set free for the expansion of the advanced instruction.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to eight hospitals, in four of which they have exclusive clinical privileges.

THE COLLEGE DISPENSARY

The College Dispensary on the first floor of the college building is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space assigned includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose and throat. A pharmacy department in charge of a trained pharmacist is also maintained in connection with the dispensary. Members of the clinical faculty and their assistants are in daily attendance from twelve to two o'clock. Students in the Junior and Senior classes are divided in rotation among the different departments, whereby they are put in close touch with the histories, examinations, diagnoses and treatment of cases. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Very unusual ones are often seen. Selected cases are

specially demonstrated and enlarged upon before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the professor in charge. Those students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs.

THE NEBRASKA METHODIST HOSPITAL

In the Nebraska Methodist Hospital which received over 1,200 patients last year, this College has exclusive clinical privileges. A new, commodious, fireproof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, is now being erected. It will contain an operating pavilion and amphitheater seating about 100 persons and furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, ophthalmology, and otology. From the graduating class two internes are selected for a year's service each.

THE IMMANUEL HOSPITAL

In the Immanuel Hospital students of this College also have exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an

unobstructed view of the operator or instructor. During the past year a new wing has been added to this hospital increasing the capacity by thirty beds. Weekly clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class a resident physician is appointed soon after commencement to serve one year.

DOUGLAS COUNTY HOSPITAL

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. This institution is, in reality, the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this College have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians, one of whom is from this College, are appointed each spring for one year.

WISE MEMORIAL HOSPITAL

At the Wise Memorial Hospital, opened to the public three years ago, a regular weekly clinic throughout the session is held in internal medicine. Special clinics frequently afford instruction in surgery, laryngology and rhinology.

CHILD-SAVING INSTITUTE

In the Child-Saving Institute also, this College has exclusive clinical privileges. The Institute has outgrown its

former quarters and now occupies a building especially constructed for its use. Its accommodations for twenty-five infants are constantly taxed. The opportunities for the study of the dressing, care and feeding of infants, and the diagnosis, progress and treatment of the different gastrointestinal and contagious diseases of childhood are here unexcelled in the middle West. Occasional outbreaks of infectious diseases in the constantly changing inmates afford unusual illustration of the subjects taught in the course of pediatrics.

W. C. A. HOSPITAL, COUNCIL BLUFFS

The W. C. A. Hospital at Council Bluffs is in professional charge of members of the faculty of this College. For surgical work its equipment is thorough, including a fine operating room. Frequent clinics are held in general medicine and in surgery, including railway and emergency surgery.

BANCROFT STREET RESCUE HOME

The Bancroft Street Rescue Home, a lying-in hospital, is under the personal direction of a member of the faculty of this College. During 1904 there were forty confinement cases in this Home attended by students of the College. In a number of operations, including the application of the forceps and the repair of the perineum, students assisted.

THE VISITING NURSES' ASSOCIATION

The search of the Visiting Nurses' Association for deserving, unattended sick furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class. Thirty cases were so assigned in 1904.

HOSPITAL APPOINTMENTS

From the graduating class of the College of Medicine two internes are chosen each year for the Nebraska Methodist Hospital and one for the Immanuel Hospital. The position of resident physician in the Douglas County Hospital is also open to graduates of the College. Several graduates of the College each year secure positions in other hospitals in Nebraska and other states. The faculty receives frequent inquiries from superintendents of hospitals who desire recent graduates suitable for such positions. In this way a large percentage of graduates obtain the inestimable advantages of hospital training before entering upon private practice.

LIBRARIES

IN OMAHA

The College Library contains about 1,000 volumes including an up-to-date collection of text-books covering the entire range of medical science. This collection does not obviate the necessity of students having their own text-books but offers greater opportunities for investigation of subjects in which they are specially interested. Periodical literature is also on file.

The Omaha Public Library contains 60,000 volumes including a good medical library, the use of which is free to students in the College.

IN LINCOLN

The following libraries, aggregating 144,500 volumes, are accessible to students in Lincoln:

The University Library of 67,000 volumes is strong in those scientific lines where lies the first two years' work of

the student of medicine. It includes special departmental libraries in botany, chemistry, hygiene, physiology, and zoology.

The Lincoln City Library of 17,500 volumes, includes the library of the Nebraska State Medical Society. It also has an alcove devoted exclusively to medical literature.

The State Library of 50,000 volumes at the Capitol includes valuable medical works in certain lines.

The Nebraska State Historical Society Library of 10,000 volumes and 19,000 pamphlets, contains useful series of public documents such as reports of state boards of health and of state hospitals and other institutions.

PRIZES

The following prizes are offered for 1905-1906:

1. To the member of the graduating class receiving the highest total of marks in the final examinations, a general surgical operating case.

2. To the member of the senior class most proficient in ophthalmology, Professor Gifford offers as a prize a Loring's ophthalmoscope.

3. To the student presenting the best notes on the history of medicine, Doctor Orr offers as a prize medical books to the value of \$10.

SOCIETIES

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. The annual meeting is held in Omaha on commencement day. Mem-

bers of the association are requested to notify the registrar and the secretary of the association when they change their address.

The Medical Society of the University of Nebraska, at Lincoln, aims to increase professional spirit and to keep its members in touch with recent progress. Any student in the University at Lincoln looking forward to medicine is eligible to membership. Topics of general interest are taken up at the weekly meetings. Prominent men address the society monthly on topics of special interest. Besides promoting fellowship among students of medicine it also offers some social advantages in other directions.

An undergraduate medical society has been formed in Omaha with similar objects. It meets bi-weekly for the discussion of medical topics.

FEES AND EXPENSES

All fees and charges are payable in advance to the secretary of the University in Lincoln or at the office of the associate dean at the College in Omaha. No part of the fees can be refunded to students who leave during the session, but in case the student takes up the same work again no additional charge is made for the part omitted.

The schedule of fees in the College of Medicine is as follows:

Matriculation fee.....	\$5
Diploma fee.....	5
No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.	
Special certificate of standing	\$5

FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester	\$20
Tuition, second semester.....	15

LABORATORY FEES

Anatomy 1, 2.....	\$15
Anatomy 3.....	20
Anatomy 4.....	5
Anatomy 8.....	8
Bacteriology and pathology 1.....	8
Bacteriology and pathology 2.....	10
Bacteriology and pathology 3, 4.....	4
Chemistry 1, 2, 3, 4.....	5
Chemistry A, B, 34.....	8
Histology and embryology (Zoology 9, 10).....	5
Pharmaco-dynamics 1, 2.....	4
Physiology 1, 2, 3, 4.....	2
Zoology 1, 2, general and medical.....	2

JUNIOR YEAR—OMAHA

Fees for all required exercises, including all laboratory and clinic fees	\$80
Breakage deposit.....	10
Examination fee.....	10

SENIOR YEAR—OMAHA

Fees for all required exercises, including laboratory and clinic fees..	\$80
Breakage deposit.....	10
Examination fee.....	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged to the class pro rata.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha department of the University College of Medicine may do so by paying a fee of \$10.

In Omaha board and lodging cost from \$3 to \$5 a week. By means of clubs students materially reduce this expense. The Young Men's Christian Association issues to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the association's building—baths, gymnasium, parlors, lectures, and concerts.

In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

SIX-YEAR COMBINED COLLEGIATE AND MEDICAL COURSE

The entrance requirements are those of the College of Literature, Science and the Arts, or of the Industrial College, given in the announcement for those colleges.

Whenever possible, the student is advised to take this combined course, which leads to the bachelor's degree at the conclusion of four years, and to that of Doctor of Medicine at the end of six years. The work in Lincoln is known as that of the pre-medical group, which was adopted by the Board of Regents, April, 1902, on recommendation of the faculty of the University. The work of the group lays a broad foundation for the technical work of the last two years and gives the student not only the best possible training but also the advantage of possessing the bachelor's degree.

If one wishes to complete both courses within six years, it is not possible to deviate materially from the program outlined below:

FIRST YEAR

	1st Semester Hours	2nd Semester Hours
General and Inorganic Chemistry 1, 2.....	2	2
Physics 1, 2.....	3	3
Modern Language (German)	5	5
General and Medical Zoology 1, 2.....	3	3
Rhetoric 1, 2.....	2	2
Osteology, Zoology 8a		2
Military Drill.....	1	1
	16	18

SECOND YEAR

Physics 3, 4.....	2	2
Organic Chemistry 3, 4.....	3	3
Invertebrate and Vertebrate Morphology (Zool- ogy 5, 8)	4	4
Modern Language (German or French).....	5	5
Hygiene 1	2	
Military Drill.....	1	1
	17	15

THIRD YEAR

General Botany 1, 2	3	3
General Physiology (Zoology 3, 4).....	2	2
Physiological Chemistry 34.....		4
Philosophy 1.....	3	
Histology and Embryology (Zoology 9, 10).....	3	3
General and Practical Anatomy 1, 2.....	4	4
	15	16

FOURTH YEAR

Regional and Practical Anatomy 3, 4.....	4	2
Anatomy of the Nervous System (Anatomy 8)...		2
Bacteriology and Pathology 1, 2.....	4	5
Urinary Analysis and Toxicology (Chemistry 41)	4	
Advanced Physiology (Zoology 35, 36).....	2	2
Pharmaco-dynamics 1, 2.....	2	2
History of Medicine 1, 2.....	1	1
	17	14

FIFTH YEAR

Bacteriology and Pathology.....	1
Therapeutics.....	2
Surgical Anatomy.....	1
Physical Diagnosis.....	1
Medicine.....	4
Surgery.....	4
Obstetrics.....	3
Bandaging and Dressing.....	1
Prescription-Writing, Electro-Therapeutics.....	1
Materia Medica and Pharmacology.....	3
	21

SIXTH YEAR

Medicine.....	4
Surgery.....	4
Obstetrics.....	2
Gynecology.....	1
Eye and Ear.....	1
Nose and Throat.....	1
Nervous Diseases.....	1
Pediatrics.....	1
Dermatology.....	1
Genito-Urinary Surgery....	1
Railway Surgery, Dental Surgery.....	1
Medical Jurisprudence, Life Insurance.....	1
	19

NOTE.—In addition there are section clinics running all the year.

FOUR-YEAR MEDICAL COURSE

The course embraces four years of graded instruction, eight to nine months each, outlined in the following synopsis. To this course all students must conform. The year is divided into two semesters, approximately eighteen weeks each.

Examinations are held at the end of each year in all the work covered. Students failing in any of the final examinations of the year must pass such examinations either at the opening of the ensuing session or during the Christmas vacation following. Students failing in more than one-third of the work must take the entire work again.

FRESHMAN YEAR

	1st Semester Hours	2d Semester Hours
General and Practical Anatomy 1, 2.....	4	4
Anatomy of the Nervous System (Anatomy 8)....	....	2
General and Inorganic Chemistry 1, 2.....	2	2
General Physiology (Physiology 1, 2).....	2	2
Histology and Embryology (Zoology 9, 10).....	3	3
General and Medical Zoology 1, 2.....	3	3
History of Medicine 1, 2.....	1	1
	15	17

SECOND YEAR

Regional and Practical Anatomy 3, 4.....	4	2
Organic Chemistry 3, 4.....	3	3
Physiological Chemistry 34 .....	....	4
Advanced Physiology (Physiology 3, 4).....	2	2
Pharmaco-dynamics 1, 2	2	2
Bacteriology 1.....	4	....
Pathology (Pathology 2).....	....	5
	15	18

JUNIOR YEAR

Bacteriology and Pathology.....	1
Therapeutics.....	2
Surgical Anatomy.....	1
Physical Diagnosis.....	1
Medicine.....	4

JUNIOR YEAR—Continued

Surgery.....	4
Obstetrics.....	3
Bandaging and Dressing.....	1
Prescription-Writing, Electro-Therapeutics.....	1
Materia Medica and Pharmacology.....	3

 21
SENIOR YEAR

Medicine.....	4
Surgery.....	4
Obstetrics.....	2
Gynecology.....	1
Eye and Ear.....	1
Nose and Throat.....	1
Nervous Diseases.....	1
Pediatrics.....	1
Dermatology.....	1
Genito-Urinary Surgery.....	1
Railway Surgery, Dental Surgery.....	1
Medical Jurisprudence, Life Insurance.....	1

 19

NOTE.—In addition there are section clinics running all the year.

COURSES OF INSTRUCTION

ANATOMY

PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON; IN OMAHA
DOCTOR RAMSEY, DOCTOR EDGINGTON, DOCTOR DANDY

This department presents the subject of human anatomy in the most modern, strictly scientific form. During the first two years of his course the student is expected to spend eight hours weekly in the laboratory. Individual quizzes upon the subject; weekly sectional quizzes, with or without the subject; a thorough demonstration by each individual student at the close of each dissection of a part; and occasional review quizzes to test the student's ability to retain the knowledge gained, are required. The lectures supplement the laboratory work. In them are discussed such facts drawn from comparative vertebrate anatomy, from the study of human variations and anomalies, and from embryology, as enable the student to understand the structure of the human body and to correlate details learned by laboratory dissection. Thus a clear conception of the body as a whole is gained. As a final test of his grasp of the subject the careful formal presentation of some circumscribed topic is required of each student before credit is given for the course.

To assist the student in his work charts, models, anatomical preparations and carefully selected works of reference are close at hand for ready consultation.

COURSES

1. **General and Practical Anatomy**—Introductory principles of anatomy and general descriptive anatomy. Laboratory work; osteology; preliminary dissection on the dog; dissection of human subject; dissection of genital organs. Three hours. Eight hours laboratory. Four hours credit. First semester, freshman year.

PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON.

2. **General and Practical Anatomy**—1 continued. Second semester.
3. **Regional and Practical Anatomy**—Lectures on regional anatomy. Laboratory work in neurology; dissection of the organs of special sense; dissection of subject; serial sections of human body;

special assigned topics. Three hours. Eight hours laboratory. Four hours credit. First semester, sophomore year.

PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON.

4. **Regional and Practical Anatomy**—3 continued. Second semester.
5. **Surgical Anatomy**—Lecture course. One hour credit. First semester, junior year. DOCTOR RAMSEY.
6. **Surgical Anatomy**—5 continued. Second semester.
8. **Anatomy of the Nervous System**—Practical course. Two hours credit. Second semester. Freshman year.

ASSOCIATE PROFESSOR WOLCOTT.

BACTERIOLOGY AND PATHOLOGY

ASSOCIATE PROFESSOR WAITE, DOCTOR PILSBURY

BACTERIOLOGY

This course aims to build a firm foundation for the subsequent practical work in bacteriology. The study of form structure, multiplication, requirements of growth and the chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. First semester, freshman year.

ASSOCIATE PROFESSOR WAITE.

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation and tumors are carefully studied. In conclusion the diseases of special organs are taken up according to their relative importance. In the laboratory the student is required to identify about one hundred and fifty specimens, and, with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and to train him in accuracy of observation.

COURSES

2. **Pathology**—Four hours lecture and quizzes. Eight hours laboratory. Second semester, sophomore year.

ASSOCIATE PROFESSOR WAITE.

5. **Pathology**—Lecture, demonstration and quizzes covering the subjects of special bacteriology and pathology, and post-mortem technique. Two hours lecture and quizzes. First semester, junior year.

ASSOCIATE PROFESSOR WAITE.

6. **Pathology**—3 continued. Second semester.

7. **Practical Clinical Pathology**—The class is divided into sections and each section is required, in rotation, to assume charge of all pathological specimens, sputum, urine and blood, secured from cases studied in clinics at the dispensary and the different hospitals; to examine the same in the pathological laboratory, under the supervision of the instructors in charge; and to make reports thereon before the class to the professor holding the clinic. Senior year.

PHARMACO-DYNAMICS

ADJUNCT PROFESSOR LYMAN

The physiological action of the principal drugs used in medicine are studied in detail. The laboratory work consists of the injection of a drug into a lower animal. The amount necessary to produce the physiological effect is watched and the changes produced in the vital phenomena are observed. Finally the application of the drug is considered.

Sufficient time will also be given the subject to thoroughly familiarize the student with the preparations of various drugs and their comparative values, methods of administration and conditions which influence their action.

1. **Pharmaco-Dynamics**—Combined lecture, demonstration, and laboratory course. Two hours credit. First semester, sophomore year.
ADJUNCT PROFESSOR LYMAN.
 2. **Pharmaco-Dynamics**—1 continued, Second semester, sophomore year.
ADJUNCT PROFESSOR LYMAN.
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CHEMISTRY

PROFESSOR AVERY, ASSISTANT PROFESSOR DALES,
MISS FOSSLER

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

COURSES

1. **Qualitative Analysis**—Elementary course required of technical and scientific students. Must be preceded by course A or its equivalent (see announcement for College of Literature, Science and the Arts and the Industrial College). Two hours attendance. Four hours laboratory. Two hours credit. First semester.
ASSISTANT PROFESSOR DALES, MR. JACOBSON.
2. **Qualitative Analysis**—Elementary course required of technical and scientific students. Must be preceded by course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.
ASSISTANT PROFESSOR DALES, MR. JACOBSON.
3. **Elementary Organic Chemistry**—The important classes of organic substances. Preparation, in the laboratory, of typical compounds. Two hours attendance. Six hours laboratory. Two hours credit. First semester.
MISS FOSSLER.
4. **Elementary Organic Chemistry**—3 continued. Second semester.

34. **Physiological Chemistry**—The organic compounds. The chemical processes of physiological importance. Four hours attendance. Eight hours laboratory. Five hours credit. Second semester.
MISS FOSSLER.
41. **Urine Analysis and Toxicology**—Discussion of the chemical composition of the urine in health and in disease and the teaching of methods for the detection of abnormal constituent; study of the physiological properties of and methods for detecting poisons. Must be preceded by courses 1, 2, 3 and 4. Four hours lecture. Eight hours laboratory. Four hours credit. First semester.
MISS FOSSLER.
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HISTORY OF MEDICINE

DOCTOR ORR

1. **History of Medicine and Medical Literature**—A combined lecture and study course dealing with the men who have contributed to medical knowledge from the earliest times to the present. One hour lecture. One hour credit. First semester.
DOCTOR ORR.
2. **History of Medicine and Medical Literature**—1 continued. This course traces the development of medicine in its different branches simply as an abstract department of knowledge. Constant reading and note-taking are required. An acquaintance with library methods and with the literature is necessarily obtained. One hour lecture. One hour credit. Second semester.
DOCTOR ORR.
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HYGIENE AND STATE MEDICINE

PROFESSOR TOWNE, PROFESSOR CLAPP

1. **Hygiene**—A brief history of the subject. Advantages of regular exercise. Bathing and clothing. Care of the eye. Respiration and circulation. Digestion; source, value and digestibility of foods. Stimulants and narcotics. Ventilation, heating, draining and plumbing. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester.

PROFESSOR CLAPP.

SANITATION AND STATE MEDICINE

3. **Sanitation and State Medicine**—Relation of the medical profession to public health. Theoretical consideration of the subject. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk and food, sewage and the disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. First semester, junior year. PROFESSOR TOWNE.
4. **Sanitation and State Medicine**—3 continued. Second semester.
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MATERIA MEDICA AND THERAPEUTICS

PROFESSOR CHRISTIE, PROFESSOR JENSEN, DOCTOR KOERBER

MATERIA MEDICA AND PHARMACOLOGY

1. **Materia Medica and Pharmacology** — A systematic outline and detailed study of the various drugs used in the treatment of diseases and their physical and chemical properties; their physiological action; indications of their use, dosage, and the different preparations. Laboratory work on the methods of handling drugs, prescription-writing, preparing combinations, and on the direct effect of drugs on the circulation, kidneys, eye and gastrointestinal canal. Three hours lecture and recitation. One hour laboratory. First semester.
PROFESSOR CHRISTIE, DOCTOR KOERBER.
2. **Materia Medica and Pharmacology** — 1 continued. Second semester.
3. **Advanced Materia Medica and Pharmacology**—This is in part a continuation of courses 1 and 2. The various drugs used in the treatment of disease are classified according to their application, their action is described, and their therapeutic value dwelt upon. Two hours lecture. First semester. PROFESSOR CHRISTIE.
4. **Advanced Materia Medica and Pharmacology** — 3 continued. Second semester.
5. **Prescription-Writing**—Practical instruction in writing prescriptions. For supposed cases the student writes prescriptions which the instructor criticizes and corrects. One hour lecture. First semester, junior year. DOCTOR KOERBER.

THERAPEUTICS**7. Therapeutics**—First semester, junior year.

One hour lecture.

PROFESSOR CHRISTIE.

One hour quiz.

DOCTOR KOERBER.

8. Therapeutics—7 continued. Second semester, junior year.

One hour lecture.

PROFESSOR CHRISTIE.

One hour quiz.

DOCTOR KOERBER.

9. Therapeutics A systematic consideration of the use of drugs in their special application to diseased conditions, and a thorough outline of their selection according to indications. Special attention to the uses of hydro-therapy, vibration treatment, massage and their mode of application. The class is divided into sections, thereby affording the students opportunity to observe, in the hospital and the dispensary, the practical application of the different means of treatment and their effects, including the use of baths, packs, poultices, blisters, massage, and the use of anæsthetics. First semester, junior year

Two hours lecture.

PROFESSOR CHRISTIE.

One hour quiz.

DOCTOR KOERBER.

10. Therapeutics—9 continued. Second semester.**12. Electro-Therapeutics**—The physics of electricity, the different varieties of currents and their indications, and method of application in the treatment of diseases. A few of the lectures are devoted to X-ray apparatus, and demonstrations of its application, and also to the technique of fluoroscopic examinations and radiography. The College possesses a fine X-ray outfit which is used in demonstrations. One hour lecture. Second semester, senior year.

PROFESSOR JENSEN.

PHYSIOLOGY

ADJUNCT PROFESSOR LYMAN

1. Introduction to General and Chemical Physiology—Special physiology of blood, nerve, muscle, circulation, respiration, digestion, secretion, excretion, nutrition and metabolism. Two hours lecture. Three hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR LYMAN.

2. **Introduction to General and Chemical Physiology**—1 continued. Second semester.

3. **Advanced Physiology**—General and comparative physiology. Application of physical chemistry to problems of physiology. Physiology and the central nervous system and sense organs, special and comparative. Two hours lecture. Four hours laboratory. Two hours credit. First semester, sophomore year.

ADJUNCT PROFESSOR LYMAN.

4. **Advanced Physiology**—3 continued. Second semester.

ZOOLOGY

PROFESSOR WARD, ASSISTANT PROFESSOR WILLARD,
MR. BAKER, MR. YOUNG.

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thomas microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The departmental library adjacent and freely accessible contains 2,000 works on animal morphology and physiology. A series of specimens from the Naples Zoological Station—one of injected tissues by Thiersch and embryological models by Ziegler and Dahlgren—are among the illustrative material.

GENERAL AND MEDICAL ZOOLOGY

1. **Introduction to Animal Biology and Medical Zoology**—Fundamental properties of protoplasm. Structure and activities of the cell. Its division. Maturation and fertilization of reproductive cells. Their development and differentiation into germ layers, tissues, organs, and animals. Study of animals of special interest in clinical work as hæmatozoa and helminthes. Two hours lecture and quiz. Four hours laboratory. Three hours credit. First semester.

PROFESSOR WARD, MR. BARKER.

2. **Introduction to Animal Biology and Medical Zoology**—1 continued. Second semester.

B. **Introduction to Animal Biology and Medical Zoology**—For those who enter with the opening of the second semester. Five hours lectures and quiz. Eight hours laboratory. Five hours credit.

PROFESSOR WARD, MR. BARKER.

HISTOLOGY AND EMBRYOLOGY

9. **Normal Histology**—Microscopic structure of tissues and organs, illustrated by drawings, models and demonstrations with lantern and projection microscope. One hour lecture and quiz. Six hours laboratory. Three hours credit. First semester.

ASSISTANT PROFESSOR WILLARD, MR. YOUNG

10. **Vertebrate Embryology**—Survey of general embryology. Review of the development of man. Laboratory work on the frog, chick and pig. Methods of graphic and plastic reconstruction. One hour lecture and quiz. Six hours laboratory. Three hours credit. Second semester.

ASSISTANT PROFESSOR WILLARD, MR. YOUNG.

CLINICAL INSTRUCTION

With cases in all departments of medicine and surgery the student is brought face to face. The 200,000 population of Omaha, South Omaha, and Council Bluffs, with their manufacturing industries, furnish the hospitals a great variety of cases in all branches of medicine and surgery. For instruction in accident and railway surgery there are unusual opportunities.

SECTION CLINICS

At the beginning of each year the senior class is divided into sections of three students each. Some of these attend section clinics daily at the various hospitals, each professor inviting the sections in regular rotation. These section clinics, both medical and surgical, afford extensive facilities for the most effective kind of clinical teaching—individual instruction. In physical diagnosis the student has ample practice, being required to make examinations and to reach a logical diagnosis. The instructor explains each case as fully as possible and then outlines the treatment. By this section-clinic method of instruction the student gets much more positive information than he can in the large general clinics.

CLINICAL SCHEDULE (Omaha)—JUNIOR YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Towne Sanitation and State Medicine	Davis Surgery	Truelson-Milroy Physical Diagnosis	Truelson Physical Diagnosis Recitation	Davis Surgery	Medical and Surgical Clinics Immanuel County Hospitals
10	Waite Bacteriology and Special Pathology	Christie Therapeutics	Edmiston (a) Surgical Dressings and Bandaging	Christie Therapeutics	Towne Sanitation and State Medicine	
11		[b] [a] Park-Pollard Obstetrics Recitation	[b] [a] Park-Pollard Obstetrics Recitations	[b] [a] Park-Pollard Obstetrics Recitation	[b] [a] Park-Pollard Obstetrics Recitation	
12	Dispensary and Drug Room Sections	Dispensary and Drug Room Sections	Dispensary and Drug Room Sections	Dispensary and Drug Room Sections	Dispensary and Drug Room Sections	
1	Stokes Genito-Urinary Clinic Dispensary	McClanahan Pediatric Clinic Dispensary	Gage Dermatology Clinic Dispensary	Gibbs Medical Clinic Dispensary	Milroy Medical Clinic Dispensary	
2	Peterson Practice of Medicine Recitation	Ludington Surgery Recitation	Peterson Practice of Medicine Recitation	Ludington Surgery Recitation		
3	Updegraff Surgery Recitation		Updegraff Surgery Recitation	Koerber Therapeutics Recitation	Ramsey Surgical Anatomy	
4	Milroy Practice of Medicine	Milroy Practice of Medicine	Macrae (a) Railway Surgery Jensen (b) Electro Therapeutics	Goetz Practice of Medicine Recitation	Goetz Practice of Medicine Recitation	

(a)—First Semester.

(b)—Second Semester.

CLINICAL SCHEDULE (OMAHA)—SENIOR YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9	Owen Laryngology and Rhinology	Gifford Ophthalmology and Otolary	Jonas Surgical Clinic 8-10 M. E. Hospital	Aikin Nervous Diseases	Owen [a] Laryngology Demonstration Christie [a] Pediatrics Recitation Flagridge [b] Arrested Development	Immanuel Hos. Davis Surgical Clinic Milroy Medical Clinic Wise Hospital Hoffman Medical Clinic
10	Brown Gynecology	Brown Gynecology	Gibbs-Bridges Medical Clinic	Bicknell [a] Optical and Otol. Demonstration Moore [b] Mental Diseases		Child Sav. Ins. McClanahan Pediatric Clinic County Hospital Medical and Surgical
11	Jonas Surgical Conference	Jonas Surgery	M. E. Hospital	McClanahan Pediatrics	Jonas Orthopedic Surgery	
12			For Clinics see Clinic-Schedule			
1	Stokes Genito-Urinary Clinic Dispensary	McClanahan Pediatric Clinic Dispensary	Gage Dermatology Clinic Dispensary	Gibbs Medical Clinic Dispensary	Milroy Medical Clinic Dispensary	
2	Somers Obstetrics	Aikin Nervous Diseases Clinic Dispensary	Treynor Medical Clinic W. C. A. Hosp'l	Stokes Genito-Urinary and Rectal Surgery	Somers Obstetrics	
3	Gage Dermatology	Reno (a) Tropical Diseases Brogan (b) Jurisprudence	Macrae Surgical Clinic W. C. A. Hosp'l	Ward [a] Parasitic Diseases	Cloyd [a] Life Ins. Exam. Hunt [b] Oral Surgery	
4	Bridges (a) Medical Conference Jonas (b) Operative Surgery	Gibbs (b) Medical Conference	Gifford Eye and Ear Clinic M. E. Hospital	Bridges Practice of Medicine	Gibbs Practice of Medicine	

(a)—First Semester.

(b)—Second Semester

HOSPITAL CLINIC SCHEDULE—SENIOR YEAR

First Period September 20 to November 15	Second Period November 15 to January 17	Third Period January 17 to March 8	Fourth Period March 8 to May 10
HOSPITAL	1ST PERIOD	2D PERIOD	3D PERIOD
Methodist Hospital			
WEDNESDAY— Jonas—Surgery 8-10	A, B, C, D.	A, B, C, D.	A, B, C, D.
Gibbs - Bridges—Medicine 10-12	A, B, C, D.	A, B, C, D.	A, B, C, D.
Gifford—Eye and Ear 2-5	A, B.	C, D.	C, D.
W. C. A. Hospital, Council Bluffs			
WEDNESDAY— Hacrae—Surgery 2-3	C, D.	A, B.	A, B.
Treyner—Medicine 3-4	C, D.	A, B.	A, B.
Immanuel Hospital			
SATURDAY— Davls—Surgery 8-10	A, B.	C, D.	C, B.
Wise Memorial Hospital			
SATURDAY— Hoffman—Medicine 10-12	C.	A.	B.
Douglas County Hospital			
SATURDAY— Medicine and Surgery 9-12	D.	B.	A.
Child Saving Institute			
SATURDAY— McClanahan—Pediatrics 8.30-10	C.	A.	B.

CLINICAL DEPARTMENTS

DERMATOLOGY

DOCTOR ———

One lecture a week is given throughout the session. Finely executed plates, recently collected in Europe, representing the various diseases of the skin, illustrate the lectures, thus enabling the student to become familiar with the appearance of the skin presenting the characteristic lesions of cutaneous disease. A weekly clinic in the College dispensary furnishes the student ample opportunity to familiarize himself with the differential diagnosis of many skin diseases, to study the progress of the cases and to note the effect of treatment. Demonstrations are made before the class of the influence of the X-ray applications in lesions adapted to the treatment.

COURSES

1. **Dermatology**—One hour. One hour clinic. First semester, senior year. Doctor ———
2. **Dermatology**—1 continued. Second semester.

GENITO-URINARY DISEASES

DOCTOR STOKES

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

COURSES

1. **Genito-Urinary Diseases**—One hour lecture. One hour clinic. First semester, senior year. Doctor STOKES.
2. **Genito-Urinary Diseases**—1 continued. Second semester.

GYNECOLOGY

PROFESSOR BROWN

The courses comprise a thorough study of this subject, including all the malpositions of the uterus, the inflammations of this organ and of the tubes and ovaries, and their mechanical effects; the various tumors invading these parts; and the causative relation of abnormal puerperal conditions to these affections. A two-hour weekly clinic in the College Dispensary or the Douglas County Hospital furnishes an abundance of cases illustrative of the more common diseases of women, with which the practitioner should be thoroughly familiar. Especial care is taken to guide the student in making personal examination of patients, reaching diagnoses, and observing methods of treatment. Cases requiring operation are sent to the hospital, where sections of the class observe and frequently assist in operations.

COURSES

1. **Gynecology**—Two hours lecture. Two hours clinic. First semester, senior year. PROFESSOR BROWN.
2. **Gynecology**—1 continued. Second semester.

INTERNAL MEDICINE

PROFESSOR GIBBS, PROFESSOR BRIDGES, PROFESSOR MILROY, PROFESSOR HOFFMAN, PROFESSOR TREYNOR, PROFESSOR WARD,
DOCTOR PETERSON, DOCTOR GOETZ

CLINICAL ASSISTANTS:

DOCTOR TRUELSON, DOCTOR EDGINGTON

1. **Physical Diagnosis**—An exposition of the general principles of the subject, together with demonstrations of the topography of the head, chest, and abdomen. The student is taught the physical signs in health by means of direct personal examination, and the lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year. DOCTOR TRUELSON.
2. **Physical Diagnosis**—1 continued. The physical signs formed in disease, and their clinical demonstration on cases taken from the dispensary and hospital wards. Having familiarized himself with the interpretation of normal signs during the first semester, the student is thus more capable of appreciating abnormal signs resulting from disease. Second semester, junior year.

PROFESSOR MILROY, DOCTOR TRUELSON.

3. **Internal Medicine**—This course considers the general diseases, including infections and diseases of the stomach and intestines, lungs, and kidneys. Subjects including all diseases pertaining to internal medicine are assigned systematically, and regular recitations are held thereon, thus giving the student a more thorough theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease, than did the older method of didactic lecturing. In the clinic in the College building, the cases are selected from the out-door dispensary, and usually represent the seasonal diseases of ambulatory type. First semester, junior year. (a) Two hours lecture. PROFESSOR MILROY. (b) Four hours recitation. DOCTORS PETERSON AND GOETZ. (c) Two hours clinic. PROFESSORS GIBBS AND MILROY. One hour clinic, Douglas County Hospital or Immanuel Hospital.
4. **Internal Medicine**—3 continued. Second semester, junior year.
5. **Internal Medicine**—This includes subjects not lectured on in the junior year. Special consideration is given to the elucidation of cases seen in the hospital clinics, and of cases in private practice, illustrative of the subjects under consideration. One hour weekly in conference. Members of the senior class are in rotation assigned cases for examination and study in the dispensary clinic or at one of the numerous hospitals, and are required to make full reports thereon before the class and the professor in charge. A full discussion and report of the case follow when the subjects of etiology, pathology, symptoms and diagnosis are thoroughly covered. Two clinics are held each week in the college building, where cases are selected from the large amount of material furnished by the dispensary. Two hours weekly are spent at the Douglas County Hospital or the Immanuel Hospital and one hour each at the Omaha and Wise Memorial Hospitals. In this work careful direction is given to the elaboration of clinical histories and to the physical examination of the chest and abdomen. Sputum, urine, and blood of patients under their observation are examined by sections of the class in the college laboratory under the direction of the professor of pathology and reports made thereon. First semester, senior year. (a) Two hours lecture. One hour conference. PROFESSORS GIBBS AND BRIDGES. (b) Two hours clinics in the College. PROFESSORS GIBBS AND

MILROY, DOCTORS TRUELSSEN AND EDGINGTON. (c) Four hours hospital clinics. PROFESSORS MILROY, GIBBS, BRIDGES AND HOFFMAN.

6. **Internal Medicine**—5 continued. Second semester, senior year.
7. **Special Clinics**—To these clinics in the above-mentioned hospitals and also in the W. C. A. Hospital, Council Bluffs, sections of the senior class are invited in rotation. Especial attention is given to diseases of the heart, lungs, and kidneys. The small classes are enabled to make close study of cases. First semester, senior year. PROFESSORS BRIDGES, GIBBS, MILROY, HOFFMAN, AND TREYNOR.
8. **Special Clinics**—7 continued. Second semester, senior year.
9. **Animal Parasites and Parasitic Diseases**—Lectures on the structure, life history, and distribution of those animals which stand in especial relation to the etiology and transmission of disease. Laboratory exercises and demonstrations on the animal parasites of man, with the technique of helminthological diagnosis. One hour lecture. First semester, senior year. PROFESSOR WARD.
11. **Life Insurance Examinations**—The examination of applicants for life insurance; the relation of different diseases to the expectancy of life; the influence of heredity, occupation, habits, and the professional relation of the examiner to the company. First semester, senior year. DOCTOR CLOYD.

LARYNGOLOGY AND RHINOLOGY

PROFESSOR OWEN, DOCTOR LEMERE, DOCTOR WHERRY

1. **Laryngology and Rhinology**—This course affords special study of the anatomy and physiology of the upper respiratory tract, and the diseases of the nose, throat, and larynx, and their dependence upon and relation to the various constitutional infections and dyscrasias. One hour lecture. First semester, senior year. PROFESSOR OWEN.
2. **Laryngology and Rhinology**—1 continued. Second semester, senior year.
3. **Principles and Use of the Laryngoscope and Rhinoscope**—The practical application of these instruments in a study of the normal appearances of the nose, throat, and larynx. For this work a dark room with artificial light is provided in the College dispensary. One hour weekly. First semester, senior year. DOCTOR LEMERE, DOCTOR WHERRY.

4. **Clinic**—The dispensary clinic furnishes material for the study of all diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearances and the use of the instruments during the first semester, students are now prepared for practical instruction in the pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel Hospitals. One hour weekly. Second semester, senior year. PROFESSOR OWEN, DOCTORS LEMERE AND WHERRY.

MEDICAL JURISPRUDENCE

PROFESSOR BROGAN

1. **Medical Jurisprudence**—Physician's contracts, general medica-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year.

PROFESSOR BROGAN.

MENTAL AND NERVOUS DISEASES

PROFESSOR MOORE, PROFESSOR AIKIN, DOCTOR MOGRIDGE

1. **Mental Diseases**—A study of the different forms of insanity; their causes, symptoms, diagnosis, prognosis and treatment. One hour lecture. First semester, senior year. PROFESSOR MOORE.
3. **Diseases of the Nervous System**—Lectures with demonstrations, on the special anatomy and physiology of the brain and spinal cord, followed by a presentation of the pathological conditions found in these organs, with their symptoms, differential diagnosis and treatment. The normal and pathological reflexes and the indications of the latter are discussed at length. At the clinic in the College or at the Douglas County Hospital, students make a direct study of patients with nervous and mental diseases, the hospital furnishing an unusual variety in both lines. Differential diagnosis and the various non-restraint treatments of insanity cases are dwelt on. One hour lecture. One hour clinic. First semester, senior year. PROFESSOR AIKIN.
4. **Diseases of the Nervous System**—3 continued. Second semester, senior year.

- 6. Arrested Development**—This course considers the causes, manifestations and diagnosis of arrested development. The class spends a day at the Glenwood, Iowa, Institution for the Feeble-Minded. One hour lecture. Second semester, senior year.

DOCTOR MOGRIDGE.

OBSTETRICS

PROFESSOR SOMERS, DOCTOR PARK, DOCTOR POLLARD,
DOCTOR ARTHUR

For practical work in obstetrics the material is ample. Each student is shown one case during the last semester of the junior year, and two or more cases during the senior year, special advantages being afforded students remaining in the city during the summer months. The members of the class of 1905 saw from three to fifteen obstetrical cases apiece under the direction of DOCTORS SOMERS, PARK, POLLARD and ARTHUR.

- 1. Anatomy and Physiology of the Female Pelvic Organs**—The development of the ovum, the hygiene and management of pregnancy, its signs, diagnosis and pathology. The subject of the lectures is assigned for study and recitation. Two hours recitation. One hour lecture. First semester, junior year.

DOCTOR PARK.

- 2. The Theory and Practice of Obstetrics as Applied to Normal and Abnormal Labor**—Lectures illustrated by charts, diagrams and models. Two hours recitation. Second semester, junior year.

DOCTOR PARK.

- 3. The Theory and Practice of Obstetrics as Applied to Normal Labor**—2 continued. Second semester, junior year.

- 4. Obstetrics**—The mechanism of labor, difficult labor, the pathology of the puerperal state, and the new-born child. Exercises on the manikin in diagnosing position and presentation, including a review of the mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year.

PROFESSOR SOMERS, DOCTOR POLLARD.

- 5. Obstetric Surgery**—Includes the history and description of the forceps, the perforator, the cranioclast, the cephalotribe, and the indication for, and method of their use. Two hours lecture. Second semester, senior year.

PROFESSOR SOMERS.

6. **Attendance on Obstetrical Cases**—The various lying-in hospitals, including the Douglas County Hospital with which this College has close affiliation, afford abundant opportunity for the assignment of obstetric cases to members of the senior class. Each student is required to attend three cases before receiving a certificate for graduation. During such attendance he is excused from the College exercises. Under the direction and in the presence of the professor or one of his assistants, he is required to make examinations, both by abdominal and vaginal palpation, to suggest diagnosis, study the progress of labor, and, in case operative procedure is necessary, to witness and assist at such operation. The practical use of anæsthetics in labor is also taught each student. First semester, senior year.

PROFESSOR SOMERS, DOCTORS PARK AND ARTHUR.

OPHTHALMOLOGY AND OTOTOLOGY

PROFESSOR GIFFORD, ADJUNCT PROFESSOR BICKNELL,
DOCTOR LEMERE

COURSES

1. **The Anatomy and Physiology of the Eye and Ear, and Practical Instruction in the Use of the Ophthalmoscope and Otoscope**—Each student has opportunities to study in the dark rooms at the College dispensary the appearances of normal fundus of the eye and of the drum membrane of the ear. One hour weekly. Second semester, junior year.
ADJUNCT PROFESSOR BICKNELL.
2. **Ophthalmology and Otology**—The external and internal diseases of the eye and ear and their differential diagnosis, are systematically considered. The basis of refractive errors and the method of their correction receive due attention. One hour lecture. First semester, senior year. PROFESSOR GIFFORD.
3. **Ophthalmology and Otology**—1 continued. Second semester, senior year.
4. **Clinic in Ophthalmology and Otology**—The large clinic at the Nebraska Methodist Hospital furnishes abundant opportunity for the student to observe cases illustrative of the lectures on the eye and ear and for the instructor thoroughly to impress on him these points in practical diagnosis. Frequent operations are performed

for strabismus, cataract, glaucoma, and defects of the lids, and also for otitis, mastoiditis and trephining. Section clinics in the College dispensary also furnish material in the more common affections of both eye and ear. First semester, senior year. Hospital clinic. Two hours weekly. PROFESSOR GIFFORD, ADJUNCT PROFESSOR BICKNELL. Sectional clinics, DOCTOR LEMERE.

5. **Clinics in Ophthalmology and Otology**—4 continued. Second semester, senior year.

PEDIATRICS

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

1. **Pediatrics**—This course considers all the gastro-intestinal diseases, the infections, the discrasiae and the important part played by errors of diet in their production. Milk modification in all its methods are described in detail, including the working out of percentages. The history and technique of intubation receives attention. Clinics at the College Dispensary where many cases of the ordinary affections of infancy and childhood appear, afford practical application of the subject of the lectures. One hour lecture. One hour clinic. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE.

2. **Pediatrics**—1 continued. Second semester, senior year.
3. **Care of Children**—Instruction in the care, hygiene and feeding of infants, cranial measurements, and physical development. One hour lecture. First semester, senior year. DOCTOR CHRISTIE
4. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute, where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever and whooping cough, as they occur in epidemic form. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE.

5. **Section Clinics in Pediatrics**—4 continued. Second semester.

SURGERY

PROFESSOR JONAS, PROFESSOR DAVIS, PROFESSOR MACRAE, PROFESSOR MACRAE, JR., PROFESSOR STOKES, DOCTOR UPDEGRAFF, DOCTOR LUDINGTON, DOCTOR HUNT, DOCTOR EDMISTON, DOCTOR HULL, DOCTOR DANDY, DOCTOR MORISON

1. **Principles of Surgery**—The principles of surgery with a full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Subjects are assigned for recitation covering the lectures on the principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. At the general clinic at the College Dispensary cases are presented for diagnosis, operation and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. The clinic at the Douglas County or Immanuel Hospitals where operations are performed for all manner of surgical diseases, affords excellent opportunity for demonstrating the subjects of the lecture and recitation courses. The practical use of anæsthetics, both local and general, receives due consideration at this clinic. First semester, junior year. (a) Two hours lecture. PROFESSOR DAVIS. (b) Four hours recitation. DOCTORS LUDINGTON AND UPDEGRAFF. (c) Two hours dispensary clinic. One hour hospital clinic. PROFESSORS JONAS AND DAVIS, DOCTORS UPDEGRAFF, LUDINGTON, DANDY AND MORISON.
2. **Principles of Surgery**—1 continued. Second semester, junior year.
3. **Bandaging**—The uses and application of bandaging, plaster of Paris (including its preparation) and other surgical dressings. Under the direction of the instructor students are required to apply dressings. One hour weekly. First semester, junior year. DOCTOR EDMISTON.
4. **Practice of Surgery**—Covers part of the ground gone over in the recitation in the junior year. References to observations in hospital clinics are frequently recalled and elaborated to fix essential points in diagnosis and treatment. The subjects of the hospital clinics are brought up for conference in the classroom when cases are more thoroughly discussed than the time allotted to operative work permits. Members of the class in rotation are assigned cases for examination, or illustrative

cases are cited upon which they are required to make reports on diagnosis, pathology, and treatment. These reports are critically discussed in conference. Two hours general clinic at the College Dispensary, principally on minor surgery, including examination, diagnosis, treatment and minor operations. Two hours at the Omaha Hospital in general and major surgery at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated, at which there are regular operations on all regions of the body, including celiotomies and amputations. Two hours at Immanuel, Wise Memorial, or Douglas County Hospitals, also furnish opportunity for similar instruction. Members of the class are required to assist at operations and administer anæsthetics under direction as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. PROFESSOR JONAS. (b) Six hours clinic. PROFESSORS JONAS AND DAVIS.

5. **Practice of Surgery**—4 continued. Second semester, senior year.

6. **Demonstrations**—Each member of the class is individually instructed in performing surgical operations on the cadaver. He is required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection, trephining. Second semester, senior year.

PROFESSOR JONAS, DOCTOR MORISON.

7. **Section Clinics**—Special clinics by appointment in all of the hospitals mentioned above and the Womens' Christian Association Hospital, Council Bluffs. These clinics afford work in all branches of general and special surgery. First semester, senior year.

PROFESSORS JONAS, DAVIS, MACRAE, MACRAE JR.,
BROWN AND STOKES.

8. **Section Clinics**—7 continued. Second semester.

10. **Oral Surgery**—A short course of lectures on the surgery of the mouth, in its relation to diseases of the teeth, and alveolar processes; the care of the teeth and the influence of neglect of the mouth in the production of general and stomach disorders. Second semester, senior year. DOCTOR HUNT.

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—A description of the various deformities, their diagnosis, pathology and treatment; also of the different joint diseases, their mechanical and other treatment. The practical study of the subjects of the lectures is pursued at the surgical clinics in the Omaha and Douglas County hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year. PROFESSOR JONAS.
2. **Orthopedic Surgery**—1 continued. Second semester.

COLLEGE OF MEDICINE

STUDENTS—142

SENIORS—28

ADAMS, BURTON ABEL.....	Hazel, S. D.
ANDERSON, WILLIAM HUGH.....	Council Bluffs, Iowa
ARBOGAST, HOYE JOHN.....	Bartley
BAKER, MILAN DANIEL.....	Tilden
EMPEY, ERNEST SIDNEY.....	Papillion
EVERETT, OLIVER WALSWORTH.....	Lincoln
GARLAND, HARRIE SANBURN.....	Harlan, Iowa
HEINE, WILLIAM HOWARD.....	Hooper
HOLM, ADOLPH HJALMER.....	Wolbach
JEFFERS, BERTRAND FREDERICK.....	Valentine
KENNEDY, CHARLES REX.....	Plattsmouth
KOHOUT, JOSEPH A.....	Wilber
LANE, ARTHUR ERNEST.....	Council Bluffs, Iowa
LAUZER, EDWARD SIMON.....	Hutchinson, Minn.
MCDONALD, GRUNDY E.....	Pierce
MASON, CLAUDE WILLIAM.....	Omaha
MERKEL, ARTHUR EDWIN.....	Bradshaw
MILLER, CLINTON JAMES.....	Kennedy, S. D.
MORRIS, GEORGE HENRY.....	Creston, Iowa
MORRISON, GEORGE ANDREW.....	Bradshaw
PEDERSEN, HANS CHRISTIAN.....	Dannebrog
POLEVOY, NINA D.....	Vermillion, S. D.
POTTER, GEORGE BENJAMIN.....	Omaha
RUMERY, ARTHUR CLARK.....	Mason City, Iowa
SMITH, ELDON JESSE.....	South Omaha
SWOBODA, JR., FRANZ.....	Omaha
WAINWRIGHT, CORNELIUS ISAAC.....	Gretna
WIGTON, HARRISON ALONZO.....	Omaha

JUNIORS—7

BRUSH EDWARD LEWIS.....	Ashland
FAIRCHILD, NORA MAY.....	Kennard

FULLER JR., JOHN ANDRE.....	Omaha
MORSMAN, LESLIE W.....	Omaha
PALMER, CLAUD.....	Pacific Junction, Iowa
ROBERTSON, EDWIN NORRIS.....	Omaha
WILLS, CLAUDE L.....	Omaha

SOPHOMORES—22

	Group	Year	
ALLEN, JOHN FRANKLIN	6.....	4.....	Bradshaw
ARNOLD, ELMER WILLIAM.....	4.....	2.....	Franklin
BANGHART, EDGAR DAVID	4.....	2.....	Lincoln
BERG, MATILDA LOVISA	6.....	4.....	Dannebrog
BUIS, JOHN	6.....	4.....	Holland
CHRISTY, EDGAR	6.....	4.....	Scribner
CLARK, IRA JOSEPH.....	6.....	4.....	McCook
COATS, ALBERT JAMES	6.....	4.....	Lincoln
HAMILL, ROBERT ANDERSON	4.....	2.....	Blue Hill
HARRISON, PAUL WILBERFORCE.....	6.....	4.....	Scribner
HYDE, JOHN FAY	6.....	4.....	Normal
MUNDAY, DARLENE.....	4.....	2.....	Edison
PLATZ, ADA	4.....	2.....	Lincoln
POOLE, VENUS W.....	4.....	2.....	Lincoln
POTTS, JOHN BEEKMAN.....	4.....	2.....	Pawnee City
STOAKES, CHARLES STEWART.....	6.....	4.....	Lincoln
STOKES, GUY PERCIVAL	4.....	2.....	Omaha
SULLIVAN, GEORGE WEBSTER.....	4.....	2.....	University Place
TUCKER, WINIFRED MARIE.....	4.....	2.....	Lincoln
WARE, EDWARD MILLER	4.....	2.....	Pawnee City
WEKESSER, HENRY PETER.....	4.....	2.....	Lincoln
WOODARD, JAMES MADISON.....	4.....	2.....	Aurora

FRESHMEN—35

	Group	Year	
BATES, BRET VERNE	4.....	1.....	Belgrade
BOURDEAU, CORAN LOUIS	4.....	1.....	Campbell
DIRKS, MARTIN HERMAN	6.....	3.....	So. Auburn
EMERSON, CLARENCE.....	6.....	3.....	Tamora
EMMONS, CALVERT LUTHER	4.....	1.....	Overton
FOSSLER, JOHN JACOB.....	4.....	1.....	Lincoln

	Group	Year	
FRICKE, ALBERT ADOLPH	6	3	Plattsmouth
GRINNELL, JOSIAH BECKLEY	4	1	Papillion
HAWK, JOHN LESTER	4	1	Grand Island
HAYMAN, EDWARD CHAPMAN	4	1	Grand Island
HENNEY, WILLIAM HENRY	6	3	DeSmet, S. D.
HOMPES, JOSEPH JOSIAH	4	1	Chester
KERR, THEODORE JOSEPH	4	1	Akron, Ia.
LAMBERT, SCHUYLER COLFAX	6	3	Neligh
LEWIS, ALFRED JR.	4	1	Valentine
LIEBER, CHARLES	4	1	Ft. Crook
MACRAE, JAMES JR.	4	1	Council Bluffs, Ia.
MILLER, BROWNLOW BARTLEY	4	1	Hillsdale, Ia.
MOORE, JOHN CLYDE	6	3	Omaha
MORROW, FRANK HENRY	6	3	Atkinson
MULLIKIN, DOYLE BEARD	4	1	Ohiova
PANTER, SAMUEL GOODALL JR.	4	1	Dorchester
PREMER, JAMES FREDERICK	4	1	Bartley
PRICHARD, GEORGE WINTHROP	6	3	Pawnee City
REYNOLDS, CRANDALL AMEREL	4	1	Lincoln
RUBENDALL, CLARENCE	6	3	Madison
SIDWELL, LAWRENCE TWEEDIE	6	3	Omaha
SIMMS, JOHN SHAFFER	6	3	Alma
SKEEN, EARL DON	6	3	Lincoln
STAHL, VINCENT EVERETT	4	1	Milford
THOMPSON, IRWIN LEVI	6	3	West Point
TOMLINSON, CHARLES CREIGHTON	4	1	Red Oak, Ia.
WALKER, GEORGE HEMAN	6	3	Norfolk
WARNER, MERLE FRANK	4	1	Council Bluffs, Ia.
WYATT, MERLIN B.	4	1	University Place

THE SIX YEAR COMBINED COURSE

SECOND YEAR—9

CHARLTON, ALBERT TUTTON	Ord
CHRISTIE, RALPH CONKLIN	Omaha
DE COU, ROBERT AUSTIN	Omaha
FLANSBURG, HARRY ERNST	Lincoln
GRAMLICH, RALPH CLIFFORD	Omaha

HOFF, JOHN CHRISTOPHER.....	Wisner
MANTOR, HARRY LYMAN.....	Cozad
RINKER, CASPER LUCAS ABEL.....	Lincoln
WILSON, JAMES LEE.....	Rushville

FIRST YEAR—17

ANDERSON, WILLIAM NANCE.....	Osceola
BUOL, GEORGE.....	Randolph
CHARLTON, CECIL FLOYD.....	Lincoln
COATS, CHARLES FOSTER.....	Lincoln
DAYTON, FRANK THOMPSON.....	Lincoln
FENTON, ARTHUR CROWLEY.....	Wymore
GILBERT, ELULA TINA.....	Exeter
HAMILTON, THOMAS FRANKLIN.....	Springfield
HEWIT, GEORGE LINUS.....	Friend
HICKMAN, CLARENCE CLYDE.....	Lincoln
LONG, WARREN WINFRED.....	Albion
MOSS, ROY LEWIS.....	Ashland
PENFIELD, NATHANIEL LOUIS..	St. Edward
REMY, CHARLES EDWARD.....	Craig
SWAN, ALFRED HELMER.....	Omaha
SWENSEN, SAMUEL AUGUST.....	Oakland
TATSUKAWAM, NAOSABURO.....	Hiroshimaken, Japan

UNCLASSIFIED STUDENTS—24

ANDRESON, PAUL SELBY.....	Lincoln
ARNOLD, MARY MABEL.....	Ellicotville, N. Y.
BOOTH, FRANK MILTON.....	Tolland, Conn.
BRADSHAW, THOMAS LEVERNE.....	Superior
BRANSON, CHARLES BLAINE.....	Kearney
CAMPION, WILLIAM JOSEPH.....	Grand Island
COBB, ALBERT JORDAN.....	Avoca
CONKLING, RALPH D.....	Tekamah
CRUZAN, JESSE VANCE.....	Valparaiso
DORWART, JASON WATSON.....	Friend
DOUGLAS, L. V.....	Lincoln
DUNHAM, MORRIS HOWELL.....	Spearfish, S. D.
FALL, CHARLES CLARENCE.....	Lincoln

FELLERS, ELBERT WESLEY.....	University Place
HAMILTON, JOHN DWIGHT.....	Oxford
JAMES, DAVID BURT	Gentry, Ark.
JOHNSTON, ELDON THOMAS.....	Omaha
LAIRD, CLAUDE ROSS.....	Lawrence
LAIRD, ROY SAMUEL.....	Lawrence
LEWIS, HARVEY NELSON.....	College View
McHENRY, WILLIAM ALLEN	Nelson
SPITLER, HARLEY JAY.....	York
THOMAS, FRED WAGONER.....	Omaha
WILDMAN, HOLLAND ROSCOE.....	York

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1909/10

UNIVERSITY OF ILLINOIS

Series XIV.

PRESIDENT'S OFFICE.

No. 5

**BULLETIN OF
THE UNIVERSITY OF NEBRASKA**

THE COLLEGE OF MEDICINE

ANNOUNCEMENT

1909-1910



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MARCH 1, 1909
THE UNIVERSITY PRESS
Lincoln, Nebraska

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THE REGISTRAR,

THE UNIVERSITY OF NEBRASKA,

Lincoln, Nebraska.

CALENDAR

THE COLLEGE OF MEDICINE

FOR THE WORK IN LINCOLN

1909

September 21	Tuesday	First Semester begins.
September 21-25	Tuesday-Saturday	Entrance examinations and registration.
September 25	Saturday	Opening address by the Chancellor.
November 24	Wednesday, 6 P. M.	Thanksgiving recess begins.
November 30	Tuesday, 8 A. M.	Thanksgiving recess ends.
December 7	Tuesday	Regular meeting of the Board of Regents.
December 17	Friday, 6 P. M.	Christmas vacation begins.

1910

January 4	Tuesday, 8 A. M.	Christmas vacation ends.
January 24-28	Monday-Friday	First Semester examinations.
January 25-29	Tuesday-Saturday	Entrance examinations and registration for the second Semester.
January 31	Monday	Second Semester classes begin.
February 15	Tuesday	Charter Day. A holiday. Regular meeting of the Board of Regents.
March 23	Wednesday, 6 P. M.	Easter recess begins.
March 30	Wednesday, 8 A. M.	Easter recess ends.
April 12	Tuesday	Regular meeting of the Board of Regents.
May 30-June 3	Monday-Friday	Second Semester examinations.
June 4	Saturday, 4 P. M.	Final recommendations by faculties for baccalaureate degrees.
June 9	Thursday	Thirty-ninth annual commencement.

FOR THE WORK IN OMAHA

1909

September 21	Tuesday	Registration. Alumni meeting and College Banquet for upper classes.
September 22	Wednesday	Lectures begin.
November 24	Wednesday, 6 P. M.	Thanksgiving recess begins.
November 30	Tuesday, 8 A. M.	Thanksgiving recess ends.
December 17	Friday, 6 P. M.	Christmas vacation begins.

1910

January 4	Tuesday	Christmas vacation ends.
January 24-28	Monday-Friday	First Semester examinations.
January 31	Monday	Second Semester classes begin.
February 22	Tuesday	Washington's birthday—holiday.
May 6	Friday	Senior lectures end.
May 7-18	Saturday-Wed.	Senior examinations.
May 18	Wednesday	Junior lectures end.
May 19	Thursday	Commencement.
May 20-28	Friday-Wednesday	Junior examinations.
September 20	Tuesday	First Semester begins (1910-1911).

THE UNIVERSITY

THE UNIVERSITY OF NEBRASKA includes the following colleges and schools:

THE GRADUATE COLLEGE. Courses leading to the degree of Master of Arts and Doctor of Philosophy.

THE COLLEGE OF ARTS AND SCIENCES. A four-year course leading to the degree of Bachelor of Arts.

THE TEACHERS COLLEGE. A four-year course leading to the degree of Bachelor of Arts and the University Teachers' Certificate.

THE COLLEGE OF AGRICULTURE (including general and technical agricultural, forestry, and general home economics groups). A four-year course leading to the degree of Bachelor of Science.

THE COLLEGE OF ENGINEERING. A four-year course leading to the degree of Bachelor of Science in Engineering.

THE COLLEGE OF LAW. A three-year course leading to the degree of Bachelor of Laws. A six-year course leading to the Bachelor of Arts degree and to the degree of Bachelor of Laws.

THE COLLEGE OF MEDICINE. A four-year course leading to the degree of Doctor of Medicine. A six-year course leading to the Bachelor's degree and to the degree of Doctor of Medicine.

THE SCHOOL OF PHARMACY. A four-year course leading to the degree of Bachelor of Science in Pharmacy. Also, two-year and three-year courses.

THE SCHOOL OF FINE ARTS. Instruction in drawing, painting, wood-carving, modeling, etching, and the history of art.

THE SCHOOL OF MUSIC. Affiliated with the University. Instruction in all grades of instrumental and vocal music.

THE SCHOOL OF AGRICULTURE. A secondary school training primarily for practical farm life.

THE SUMMER SESSION. A six weeks course primarily for teachers.

THE NEBRASKA EXPERIMENT STATION and the EXPERIMENTAL SUB-STATION at North Platte are also in charge of the Board of Regents.

THE FACULTY OF THE COLLEGE OF MEDICINE

SAMUEL AVERY, A.M., PH.D.

Chancellor and President of the University Senate
Administration Hall 101

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Dean of the College of Medicine and Professor of Zoology
Administration Hall 104

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302 Bee Building, Omaha

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Emeritus Professor of Materia Medica and Therapeutics

AUGUST FREDERICK JONAS, M.D.

Professor of the Practice of Surgery and Clinical Surgery
454 Brandeis Building, Omaha

HARRY MONROE McCLANAHAN, A.M., M.D.

Professor of Pediatrics
468 Brandeis Building, Omaha

*Deceased.

THE UNIVERSITY OF NEBRASKA

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Professor of Clinical Medicine

324 Bee Building, Omaha

BYRON BENNETT DAVIS, A.B., M.D.

Professor of the Principles of Surgery and Clinical Surgery

202 Bee Building, Omaha

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Professor of Laryngology and Rhinology

469 Brandeis Building, Omaha

ANDREW BARTHOLOMEW SOMERS, M.D.

Professor of Obstetrics

446 Brandeis Building, Omaha

SOLON RODNEY TOWNE, A.M., M.D.

Professor of Hygiene and State Medicine

446 Brandeis Building, Omaha

JOSEPH MELANCHTHON AIKIN, M.D.

Clinical Professor of Nervous Diseases

468 Brandeis Building, Omaha

HANS PETER JENSEN, M.D.

Professor of Electro-Therapeutics

2804 Harney Street, Omaha

RAYMOND GUSTAVUS CLAPP, M.D.

Professor of Physical Education

Grant Memorial Hall

DONALD MACRAE, JR., M.D.

Professor of Clinical Surgery

252 Merriam Block, Council Bluffs, Iowa

VERNON LAWRENCE TREYNOR, M.D.

Professor of Clinical Medicine

Baldwin Block, Council Bluffs, Iowa

*SAMUEL AVERY, Ph.D.

Head Professor of Chemistry

Chemical Laboratory

ROBERT HENRY WOLCOTT, A.M., M.D.

Professor of Anatomy

Mechanics Arts Hall 300

* Elected Chancellor May 20, 1909.

PALMER FINDLEY, A.M., M.D.

Professor of Didactic and Clinical Gynecology
302 Bee Building, Omaha

ALFRED SCHALEK, A.M., M.D.

Professor of Dermatology and Genito-Urinary Diseases
400 Bee Building, Omaha

HERBERT HAROLD WAITE, A.M., M.D.

Professor of Bacteriology and Pathology
Nebraska Hall 303

LE ROY CRUMMER, M.D.

Professor of Therapeutics

† BENTON DALES, PH.D.

Professor of Analytical Chemistry
Chemical Laboratory

AUGUST ERNEST GUENTHER, PH.D.

Professor of Physiology
Nebraska Hall 5

RUFUS ASHLEY LYMAN, A.M., M.D.

Professor of Pharmacodynamics

Director of the Laboratories of Pharmacy and Pharmacodynamics
Nebraska Hall 7

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Associate Professor of Genito-Urinary Surgery and Surgical Anatomy
503 Brandeis Building, Omaha

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Professor of Histology and Embryology
Nebraska Hall 302

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2903 Dewey Ave., Omaha

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Associate Professor of Zoology
Nebraska Hall 302

JOSEPH HORACE POWERS, PH.D.

Associate Professor of Zoology
Nebraska Hall 306

† In charge of the Department of Chemistry.

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Mechanic Arts Hall 300

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Chemical Laboratory

HIRAM WINNETT ORR, M.D.

Adjunct Professor of the History of Medicine

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JAMES SAMUEL GOETZ, M.D.

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THOMAS TRUELSEN, M.D.

Instructor in Physical Diagnosis and Clinical Assistant in Medicine

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Nebraska Hall 302

HARRY HARDING EVERETT, B.Sc., M.D.

Instructor in Surgical Pathology

Mechanic Arts Hall 300

* Deceased.

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Mechanic Arts Hall 300

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Instructor in Surgery and Gynecology

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Instructor in Surgery

536 Brandeis Building, Omaha

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309 Paxton Block, Omaha

ERNEST TIBBETS MANNING, M.D.

Instructor in Therapeutics

501 Paxton Block, Omaha

CLARENCE EMERSON

Fellow in Bacteriology

Nebraska Hall 303

AUGUST DAVIS CLOYD, M.D.

Lecturer on Life Insurance Examinations

Woodmen Building, Omaha

* Resigned.

ALFRED ONIAS HUNT, D.D.S.

Lecturer on Dental Surgery

420 Bee Building, Omaha

GEORGE MOGRIDGE, M.D.

Lecturer on Arrested Development

Glenwood, Iowa

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DISPENSARY STAFF

SUPERINTENDENT OF DISPENSARY: DOCTOR BLISS

INTERNAL MEDICINE

PROFESSOR BRIDGES

PROFESSOR MILROY

ASSISTANT: DOCTOR BLISS

SURGERY

PROFESSOR JONAS

PROFESSOR DAVIS

ASSISTANT: DOCTOR HOLLISTER

EYE AND EAR

PROFESSOR GIFFORD

ASSISTANT: DOCTOR PATTON

NOSE AND THROAT

PROFESSOR OWEN

ASSISTANT: DOCTOR WHERRY

PEDIATRICS

PROFESSOR McCLANAHAN

ASSISTANT: DOCTOR CHRISTIE

OBSTETRICS

PROFESSOR SOMERS

ASSISTANT: DOCTOR POLLARD

GYNECOLOGY

PROFESSOR FINDLEY

ASSISTANTS: DOCTOR JEFFERSON DOCTOR FAIRCHILD
DOCTOR HOLLISTER**NERVOUS DISEASES**

PROFESSOR AIKIN

DERMATOLOGY

PROFESSOR SCHALEK

ASSISTANT: DOCTOR KLINK

GENITO-URINARY SURGERY

ASSOCIATE PROFESSOR STOKES

DRUG ROOM

CHARLES RAY STEWART, PH.G.

THE COLLEGE OF MEDICINE

ORGANIZATION

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and has experienced strong and steady growth.

As an integral part of the University the College has been able to reorganize its work along the most advanced lines. The requirements for entrance have been placed on a level with those of the best medical colleges, thus preparing the student properly for the improved advantages at his disposal.

The work of the first two years is carried on at Lincoln, where the University places at the disposal of the student, at the beginning of his course in medicine, advantages such as but comparatively few medical schools in the country offer. The University's laboratories, directed by men of thorough training and large experience, who devote their entire time to instruction and supervision, are well equipped with modern appliances.

The work of the last two years is done exclusively at the College in Omaha, where are now afforded unusual clinical facilities, but, nevertheless, the College is constantly strengthening them.

STANDING

The College of Medicine meets the requirements of the most exacting examining authorities. It stands in the approved list of all state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical school in the United States. The class of 1906 was the first to complete its training under University auspices. Every member of that class and also of the subsequent classes, 1907 and 1908, has passed successfully in all state board licensing examinations in which he has taken part.

Official notice has been received from the Secretary of the Examining Board in England that the Royal Colleges of Physicians and Surgeons have added the University of Nebraska to the list of those institutions recognized by this Board at which the curriculum of professional study may be pursued and whose Graduates in Medicine may be admitted to the Final Examination in Medicine, Surgery and Midwifery, on production of the required certificates of study. This recognition is a source of great gratification to every student and is of especial value to those who are planning to take up work in foreign lands as medical missionaries.

ADMISSION

The College of Medicine now offers a four-year course leading to the degree of Doctor of Medicine, or a student may, if he prefers, pursue a combined collegiate and medical course, receiving at the end of four years the bachelor's degree, and at the end of six years the degree of Doctor of Medicine.

January 1, 1908, the entrance standard was raised to include one year of college work. The advance was so satisfactory to both faculty and students that in December, 1908, the Board of Regents voted on recommendation of the faculty to put into effect the long promised further advance and to raise this standard so as to include two full years of college work. The present standard means that the course of study shall be five years above the four-year high school. The first year will be practically that of the six-year combined course, being devoted to German, chemistry, physics, and animal biology, with three hours of elective work. This combination has been offered for many years and recommended to all prospective medical students who could not take the six-year course. It agrees precisely with the work laid down for an ideal initial year by the Council on Medical Education of the American Medical Association.

Two points of some importance should be noted in connection with the five-year course. The initial year, if taken at the University of Nebraska, is not subject to the fees of the professional course, but demands only the moderate charges for laboratory expenditures of the general scientific course. Secondly, the work may be taken at any college of standard entrance requirements, provided the work outlined above is carried successfully. There are many colleges which cover the introductory work noted in an eminently satisfactory manner, and in such cases the student with proper credentials will be entered directly into the first year of professional work in medicine, *i. e.*, of the four-year course.

Candidates are admitted by examination or on certificate

from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session. Plans are so made that students who enter at the opening of the second semester will find a suitable program of work.

Applicants for admission present themselves to the Registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the Registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the freshman class without examination should apply to the Registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

REQUIREMENTS FOR ADMISSION

Candidates for admission to the College of Medicine should submit their entrance credentials at least one month in advance.

For admission to the freshman class in the College of Medicine, a candidate must present evidence of having completed the course in an accredited high school, or an institution of equal grade, and in addition must have had one year of work in a reputable college. Furthermore the candidate must furnish evidence of having completed thirty points of entrance credit as laid down in the minimum requirements of the Association of Americal Medical Colleges. These are specified below. Conditional admission to the preliminary College year is permitted on the minimum of 24 credit points or 120 credit hours, but the student must remove all entrance requirements before he may be admitted to full sophomore standing.

A credit "point" presupposes the work of five recitations a week of not less than 40 minutes each during a period of at least 18 weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—16 Points

Algebra (to simultaneous quadratics), 1 year, 5 hours a week.....	2
Geometry (Plane), 1 year, 5 hours a week.....	2
English (Grammar, Rhetoric and Composition), 2 years, 5 hours a week	4
History, 1 year, 5 hours a week.....	2
Language (must be Latin), 2 years, 5 hours a week.....	4
Physics (with laboratory work), 1 year, 5 hours a week.....	2

OPTIONAL SUBJECTS—14 Points

In addition to these required subjects, for which no substitutes are accepted, applicants must present evidence of preparation in 14 points to be chosen from the following optional list:

Advanced Mathematics (Algebra through logarithms, Solid Geometry and Trigonometry, $\frac{1}{2}$ year each), $1\frac{1}{2}$ years, 5 hours a week.....	1 to 3
English Language and Literature (only if taken after the required English), 2 years, 5 hours a week.....	1 to 4
History (may include Civics and Political Economy), 2 years, 5 hours a week.....	1 to 4
Language (German, French, Spanish or Greek. Not less than one year in any one), 4 years, 5 hours a week.....	2 to 8
(Latin), 2 years, 5 hours a week.....	1 to 4
Natural Science (Biology, 1 year, or Botany and Zoology, $\frac{1}{2}$ year each), 1 year, 5 hours a week.....	1 or 2
Physical Science (Chemistry), 1 year, 5 hours a week.....	1 or 2
Earth Science (Physical Geography and Geology, $\frac{1}{2}$ year each), 1 year, 5 hours a week.....	1 or 2
Physiology and Hygiene, $\frac{1}{2}$ year, 5 hours a week.....	1
Astronomy, $\frac{1}{2}$ year, 5 hours a week.....	1
Drawing, $\frac{1}{2}$ year, 5 hours a week.....	1

REGISTRATION

Five days are allowed for the registration of students—from 9 a. m. Tuesday to 5 p. m. Saturday for both first and second semesters. Graduate students and city teachers may register at any time until the end of the week following the regular registration days.

Students are required to register promptly at the beginning of each semester.

To promote prompt registration a special fee of \$3.00 is charged a student who, unless excused by the Chancellor,

for any reason seeks to register later than the regular days set aside for this purpose. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

On or before June first every year each under-graduate student is required to lodge in the office of the Registrar his proposed schedule of classes for the first semester of the year immediately following.

No regular student is registered for less than twelve (12) hours nor more than eighteen (18) hours a semester without the dean's permission.

A student taking the combined six-year course for the degree of Bachelor of Science and the degree of Doctor of Medicine must matriculate and register in the College of Medicine at the beginning of the third year's work of the combined course and must regularly thereafter register as a student in the College of Medicine. If he is to be a candidate for the bachelor's degree, he must at the same time continue to register in the College of Arts and Sciences.

A junior or a senior in the College of Arts and Sciences or the Teachers College may take any of these courses by registering as an unclassified student in the College of Medicine and paying the laboratory fees attached to the course or courses chosen and also a pro-rata tuition fee; provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5 a semester.

When circumstances warrant and the accommodations

are sufficient to allow it without detriment to the work of candidates for degrees, students not seeking a degree are admitted as unclassified.

Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the Registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the dean of his college.

Any change in a student's residence must be immediately reported to the Registrar.

A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

The dean of the college in which a student registers is that student's adviser. Each dean has a consultation hour in the deans' room, Administration Hall 104, where students may call seeking advice touching their work.

According to the By-Laws of the Association of American Medical Colleges, each student shall be obliged to at-

tend 80 per cent of the exercises in every annual course of study for which he seeks credit. No student shall be given credit on examination unless he attains a grade of at least 70 per cent, or its equivalent in any other marking system. And no student shall be graduated unless he shall have attained a passing grade in each and all subjects of the required curriculum. By vote of the clinical faculty the passing grade for junior and senior medical students shall be hereafter 75 per cent, which is the grade required in licensing examinations of the Nebraska State Board of Health.

ADVANCED STANDING

Advanced standing may be granted as follows to applicants presenting proper credentials:

In accordance with the recommendation of the Association of American Medical Colleges, the University will not hereafter grant any time credit to holders of a bachelor's degree; this means that the total time spent by each student must include as a minimum four years of registration in a medical college.

There will be no change in the practice heretofore observed concerning subject credit. Applicants for credit in any particular subject are referred to the head of the department in question for examination. In case subject credit is granted the student is free to use the time thus gained in such extra work as he may elect. Thus students who came from high grade colleges are enabled to pursue advanced studies for a second degree or to go into research courses in any department in which they are prepared to work. This is of evident advantage to the student.

Students of other medical colleges of equal standing are, on presenting certificates of honorable dismissal, admitted to the class to which credentials issued by such colleges entitle them.

Applicants for advanced standing must offer admission credits equal to those required by this college.

Graduates of colleges of homeopathy or eclectic medicine requiring a four years course are admitted to the senior year.

In all these cases the applicant for advanced standing must offer admission credits equal to those required by this college.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Medicine are as follows:

1. The candidate must be twenty-one years of age.
2. His moral character must be unquestioned.
3. He must have complied with all the requirements of admission and have paid all his fees.
4. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.
5. He must have pursued the study of medicine four years and have received credit for at least four full courses of instruction in different years at medical schools in good standing. The last course he must have taken in this institution.
6. He must have undergone a full and satisfactory written and oral examination at the termination of the course.

The following rule of the Medical Faculty applies to all who are candidates for a degree:

Every student expecting to receive the degree of M. D. at a given Commencement shall be held to all of the final examinations immediately preceding that Commencement, and shall not be recommended for the degree unless he shall have passed satisfactorily all subjects of such examination, regardless of any standing which may have been attained previously in any subject or subjects of the examination.

SUMMER SESSION

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

COURSES AND METHODS OF INSTRUCTION

The course of study covers four years of nine months each. During the first two years those strictly scientific branches are pursued which form the basis for the technical studies of the last two years. In the laboratory only independent work is accepted. None of the courses are mere demonstrations. This objective method of instruction is followed not only in the laboratory study of the first two years but also in the clinical work of the last two, where constant use is made of the facts acquired from laboratory teaching in the fundamental branches.

The courses embrace also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired

in the laboratory. Frequent quizzes and examinations test progress in each line of work.

The College affords unique opportunities for personal contact between teacher and pupil in the lecture room, the laboratory, and the clinic, thus permitting work to be done with unusual thoroughness. There is personal teaching in every topic, each student standing continually close to his instructors, which is of the utmost importance in the last two years of the course. The sectional method of clinical work brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroughly and at short range, and allows him to secure a large amount of bedside instruction.

If a student finds it necessary to leave the University, he may obtain a certificate for his work in the medical course which will enable him to enter any other medical college belonging to the Association of American Medical Colleges.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found under the head of "Courses of Instruction" in connection with the different departments represented.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, embodies the best features of modern medical-school buildings. It is a brick and stone structure, having four stories above the basement.

On the first floor are the offices and faculty room, the students' lobby, and the free dispensary. The latter comprises a waiting room for patients, a drug room, and numerous departmental clinic rooms for the systematic examination and treatment of patients.

On the second floor are the amphitheater with a seating capacity for 250, the library, the reading room, the X-ray room, and a commodious coat room.

On the third floor are the museum, chemical laboratory thirty by fifty feet in size, private rooms for the professors of surgical anatomy, clinical chemistry and pathologic anatomy, and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in these branches.

The fourth floor is wholly given up to microscopic work. The laboratories, occupying a space one hundred by thirty-five feet, have light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit.

The clinical and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by

means of projection apparatus. These laboratories are provided with a lantern, a projection microscope and a complete Zeiss epidiascope, as well as a collection of slides, models and charts.

During the past year clinical laboratory instructors have been added to the faculty, the clinical laboratories have been thoroughly equipped, and much time is devoted to the study of clinical pathology in the laboratories in connection with the lectures and clinics.

The museum has been enlarged, and affords a large variety of well-selected material for demonstration.

With the transfer of the entire work of the first two years to Lincoln, much additional space was set free which is being used for the expansion of advanced instruction and research.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to nine hospitals, in five of which they have exclusive clinical privileges.

Three new, modern hospitals in Omaha and one in Council Bluffs are added this year to the list of institutions connected with the College. These institutions are under the exclusive control of the faculty, and students are admitted to the wards and amphitheatres for clinical instruction.

THE COLLEGE DISPENSARY

The College Dispensary on the first floor of the College building is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space as-

signed includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose, throat, skin and genito-urinary diseases. A pharmacy department in charge of a trained pharmacist is also maintained in connection with the dispensary. Members of the clinical faculty, their assistants, and trained nurses, are in daily attendance from twelve to two o'clock. Students in the Senior class are divided in rotation among the different departments, whereby they are put in close touch with the histories, examinations, diagnoses, and treatment of cases. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Selected cases are specially demonstrated and enlarged upon before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the instructor in charge. Students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy, where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs. The drug room is under the direction of a registered pharmacist.

THE NEBRASKA METHODIST HOSPITAL

In the Nebraska Methodist Hospital, which received over 1,200 patients last year, this College has exclusive clinical privileges. A new, commodious, fireproof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, has been recently erected. It contains an operating pavilion

and amphitheater seating about 100 patients and furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, ophthalmology and otology. From the graduating class three internes are selected for a year's service each, with provisional opportunities for extended work.

THE IMMANUEL HOSPITAL

In the Immanuel Hospital students of this College also have exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an unobstructed view of the operator or instructor. An addition to the building is nearing completion which will increase its capacity to one hundred and twenty beds. Weekly clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class two resident physicians are appointed soon after Commencement to serve one year. One or more students are given positions as assistants in their senior year.

THE DOUGLAS COUNTY HOSPITAL

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. During the past year there has been added a pavilion for the modern treatment of cases of consumption. This institution is, in reality, the charity

hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this College have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians, both of whom are this year from this College, are appointed for one year by competitive examination each spring.

THE CLARKSON MEMORIAL HOSPITAL

A new modern building is now under construction and is expected to be occupied in the spring of 1909. The building is located at Twenty-third and Howard streets, within an easy walk of the College. It will be among the most modern of hospital buildings. There will be 85 beds and three operating rooms. This hospital will afford opportunities for two internships. Clinics in surgery, medicine, ophthalmology, otology, and gynecology are held weekly in the amphitheater.

THE WISE MEMORIAL HOSPITAL

This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick, and iron construction; it is modern in every respect. There are sixty-one beds and two well-equipped operating rooms. Clinics in medicine, otology, and rhinology are held weekly in the amphitheaters. One interne is chosen from the graduating class each year for a service of one year. This hospital is located within walking distance of the College.

THE SWEDISH MISSION HOSPITAL

This hospital is located at 24th and Pratt streets. It has a capacity of 45 beds. The operating room is provided with an amphitheater for students. Surgical clinics are held here by appointment by Professor Stokes. Two internes are appointed each year from the Senior class.

THE CHILD-SAVING INSTITUTE

In the Child-Saving Institute this College has exclusive clinical privileges. The institute now occupies a building especially constructed for its use. Its accommodations for sixty infants are constantly taxed. The opportunities here for the study of the dressing, care and feeding of infants, and the diagnosis, progress and treatment of the different gastro-intestinal and contagious diseases of childhood are unexcelled. Occasional outbreaks of infectious diseases in the constantly-changing inmates afford unusual illustration of the subjects taught in the course of pediatrics.

THE JENNIE EDMUNDSON HOSPITAL, COUNCIL BLUFFS

This new Hospital at Council Bluffs is in professional charge of members of the faculty of this College. For surgical work its equipment is thorough, including a fine operating room. Clinics are held each week by Professors Macrae and Treynor in general medicine and in surgery. The new building recently completed, containing seventy beds, is a most modern institution.

THE TINLEY RESCUE HOME

The Tinley Rescue Home is under the direct supervision of Professors Somers and Pollard, and furnishes an abund-

ance of material for clinical instruction. In addition to the normal cases, most of the obstetrical operations are performed in the presence of the members of the graduating class.

THE VISITING NURSES' ASSOCIATION

The search of the Visiting Nurses' Association for deserving, unattended sick furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class under the direction of the obstetrical staff of the College.

HOSPITAL APPOINTMENTS

The Glenwood Institute for the Feeble Minded affords a salaried position as a house physician for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed by competitive examination each year. Two internes are chosen by competitive examinations given by the medical staff of the Omaha General Hospital. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year: Three at the Nebraska Methodist Hospital; two at the Immanuel Hospital; one at the Wise Memorial Hospital; two at the Swedish Mission Hospital; one at the Jennie Edmundson Memorial Hospital.

Several graduates of the College secure positions each year in other hospitals in Nebraska and adjacent states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions, and all capable students desiring hospital training may obtain this inestimable advantage of a year's hospital serv-

ice before entering upon private practice. The proportionate number of such positions open to the college will thus be seen to be far beyond that in the majority of medical schools.

Two graduates may also secure for six months of each year positions as assistant police surgeons. This is a valuable experience, as from fifty to one hundred emergency cases are treated by these men each month. In addition to regular internships for the graduating class opportunities are afforded several students of the Senior class to serve in the various hospitals affiliated with the College of Medicine. These positions do not conflict with the scheduled work of the college, and supply valuable experience to the students so engaged.

PUBLIC ADDRESSES

To give medical students knowledge at first hand of important movements in medicine and allied sciences special convocations are held several times each year at such dates as it is possible to secure speakers from abroad.

During the current year the following addresses have been given:

1. Dean Henry B. Ward, "The University of Nebraska and its Work in Medical Education."
2. Dr. E. J. C. Sward, Secretary of the Nebraska State Board of Health, "The Relation of Medical Men to the State Board."
3. Dr. J. L. Greene, Superintendent Illinois State Hospital, Kankakee, "The Value of Foundation Studies in Achieving Success in Medical Practice."

4. Dr. F. Creighton Wellman, Washington, D. C., "Insects and Human Disease."

The College of Medicine has also instituted a series of addresses of general interest on medical subjects which are given in Lincoln at the regular University convocation periods for the benefit of the entire student body and the public. In this series the following lectures have been given this year:

1. Former State Superintendent of Public Instruction J. L. McBrien, "Public Health and its Relation to the Preservation of Natural Resources."
2. Dr. H. M. McClanahan, Omaha, "The Economic Importance of the Child to the State."
3. Dean Henry B. Ward, "Some Aspects of the History and Geography of Disease."
4. Dr. H. H. Waite, "How May the Spread of Infectious Diseases be Prevented?"
5. Dr. F. Creighton Wellman, Washington, D. C., "Health Problems for Caucasians in Colonizing the Tropics."
6. Prof. Geo. E. Howard, "Social Problems and Their Relation to Public Health."

In furtherance of the same idea the College of Medicine has aided in the formation within the Nebraska State Teachers' Association of an auxiliary section on "Popular Medical Education," the object being to discuss medical subjects of practical importance in our public schools. At the last annual meeting in Lincoln, November, 1908, the following program was given:

1. Dr. S. R. Towne, Omaha, "What Teachers Can Do to Develop Healthy Children."
2. Dr. H. H. Waite, "How We May Prevent the Spread of Infectious Diseases in Our School."
3. Dr. R. A. Lyman, "The Experimental Evidence Which Shows Us the Nature of the Action of Narcotics."
4. Dean Charles A. Fordyce, Teachers College, "A Plea for the Addition of Sexual Physiology to the High School Curriculum."

REVIEW COURSE FOR PRACTITIONERS

The College of Medicine aims to rank as representative of the most approved methods of medical instruction. Every opportunity for advance which the state will provide is utilized for the benefit of medical students and graduates. This, together with the fact that medical men more than any other class retain a sincere and earnest desire to keep abreast of the rapid progress in medical knowledge, has led the Board of Regents, at the instance of the medical faculty, to authorize the introduction of an annual review course of one week's duration open to all graduates of reputable medical schools. This course is planned along entirely new lines. It is not a post-graduate course in the ordinary acceptance of the term. It is a course in which a practitioner is able to make a more intimate acquaintance with prominent advances in medicine than is possible through the medium of text-books and journals. These courses are for practitioners only and are absolutely apart from those taken by medical students.

The course is given on the University campus in Lincoln,

and especial emphasis is laid on the laboratory side of medical questions in which such marvelous advance has been made within recent years. The second session of this course was held from April 26 to May 1, 1909. The third session will be held at about the same period in 1910. An announcement describing the work of the course will be sent in February to all persons applying.

LIBRARIES

IN OMAHA

The College Library contains about 1,000 volumes, including an up-to-date collection of text-books covering the entire range of medical science. This collection does not obviate the necessity of students having their own text-books, but offers greater opportunities for investigation of subjects in which they are specially interested. Periodical literature is also on file.

The Omaha Public Library contains 60,000 volumes, including a good medical library, the use of which is free to students in the College.

IN LINCOLN

The following libraries, aggregating 193,300 volumes, are accessible to students in Lincoln:

The University Library of 85,000 volumes is strong in those scientific lines wherein lies the first two years' work of the student of medicine. It includes special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine. It also includes the library of the Nebraska State Medical Society of 1,300 volumes.

The Lincoln City Library, of 26,000 volumes, also has an alcove devoted exclusively to medical literature.

The State Library of 65,000 volumes at the Capitol includes valuable medical works in certain lines.

The Nebraska State Historical Society Library of 16,000 volumes contains useful series of public documents, such as reports of state boards of health and of state hospitals and other institutions.

PUBLICATIONS

A quarterly bulletin containing papers embodying the results of original research is published and offered in exchange for similar publications which are desirable for the library.

SOCIETIES

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. The annual meeting is held in Omaha on Commencement day. Members of the association are requested to notify the Registrar and the secretary of the association when they change their address.

The Medical Society of the University of Nebraska, at Lincoln, aims to increase professional spirit and to keep its members in touch with recent progress. Any student in the University at Lincoln looking forward to medicine is eligible to membership. Topics of general interest are taken up at the weekly meetings. Prominent men address the society monthly on topics of special interest. Besides promoting fellowship among students of medicine it also offers some social advantages in other directions.

FEES AND EXPENSES

All fees and charges are payable in advance to the secretary of the University in Lincoln or at the office of the associate dean at the College in Omaha. No part of the fees can be refunded to a student who leaves after the beginning of the fourth week of the session. Such refunds should be called for at the time of withdrawal from a course or from the University.

The schedule of fees in the College of Medicine is as follows:

Matriculation fee	\$5
Diploma fee	5
Diploma, "cum laude," fee.....	10

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

Special certificate of standing.....	\$5
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FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester (or any single semester).....	\$25
Tuition, second semester.....	20
For Anatomy only, each semester.....	15

LABORATORY FEES

Anatomy 1, 2, 3.....each	\$10
Anatomy 4	3
Anatomy 8	5
Anatomy 11, 12.....graduated	
Bacteriology 1	8
Pathology 2	10
Chemistry A, B, 1, 2, 3, 4, 34.....each	5
Chemistry D	10
Embryology (Zoology 10)	4 or 6
Histology (Zoology 9)	6
Pharmacodynamics 1, 2.....each	4
Physiology 1, 2.....each	3
Physiology 3	4
Zoology 1, 2, general and medical.....each	2
Demonstration courses	10

JUNIOR YEAR—OMAHA

Fees for all required exercises, including all laboratory and clinic fees	\$80
Breakage deposit	10
Examination fee	10

SENIOR YEAR—OMAHA

Fees for all required exercises, including laboratory and clinic fees..	\$80
Breakage deposit	10
Examination fee	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged the class pro rata.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha clinical work of the University of Nebraska College of Medicine may do so by paying a fee of \$10.

In Omaha board and lodging cost from \$3 to \$5 a week. By means of clubs students materially reduce this expense. The Young Men's Christian Association issues to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the association's building—baths, gymnasium, parlors, lectures, and concerts. Elegantly equipped rooms may be rented at reasonable prices. The location relative to the College makes the Young Men's Christian Association building a convenient home for the students.

In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University

keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

SIX-YEAR COMBINED COLLEGIATE AND MEDICAL COURSE

The entrance requirements are given in the announcement for the College of Arts and Sciences.

Whenever possible, the student is advised to take this combined course, which leads to the bachelor's degree at the conclusion of four years, and to that of Doctor of Medicine at the end of six years. The work in Lincoln is known as that of the pre-medical group, which was adopted by the Board of Regents, April, 1902. The work of the group lays a broad foundation for the technical work of the last two years and gives the student not only the best possible training, but also the advantage of possessing the bachelor's degree.

If one wishes to complete both courses within six years, it is not possible to deviate materially from the program outlined below.

Details in regard to the non-technical courses which appear in this schedule, such as rhetoric, should be secured from the announcement of the undergraduate college.

FIRST YEAR

	1st Semester Hours	2d Semester Hours
General and Inorganic Chemistry (Chemistry 1, 2)	2	2
Physics 1, 2.....	3	3
Modern Language (German).....	5	5
General and Medical Zoology (Zoology 1, 2)....	3	3
Rhetoric 1, 2.....	2	2
Osteology (Zoology 8a).....		2
Military Drill	1	1
	—	—
	16	18

SECOND YEAR

Physics 3, 4.....	2	2
Organic Chemistry (Chemistry 3, 4).....	3	3
Invertebrate and Vertebrate Morphology (Zool- ogy 5, 8).....	4	4
Modern Language (German or French).....	5	5
Botany 1, 2.....	3	3
Military Drill	1	1
	—	—
	18	18

THIRD YEAR

General and Practical Anatomy (Anatomy 1, 2)..	4	4
Neurology (Anatomy 8).....		2
General Physiology (Physiology 1, 2).....	2	2
Histology and Embryology (Zoology 9, 10).....	4	2 or 3
Philosophy 1	3	
Physical and Physiological Chemistry (Chemistry 25, 34)	2	4
History of Medicine 1, 2.....	1	1
	—	—
	16	15 or 16

FOURTH YEAR		1st Semester Hours	2d Semester Hours
Regional, Practical and Applied Anatomy (Anatomy 3, 4).....		4	3
Advanced Physiology (Physiology 3).....		3	
Pharmacodynamics		2	2
Bacteriology		4	
Pathology 2			6
Clinical Diagnosis (Pathology 4).....			1
Urinary Analysis and Toxicology (Chemistry 41)	4		
Demonstration Courses			2
Required Elective*			3
		17	17

FOUR-YEAR MEDICAL COURSE

The course embraces four years of graded instruction, eight to nine months each, outlined in the following synopsis. To this course all students must conform. The year is divided into two semesters, approximately eighteen weeks each.

Examinations are held at the end of each year in all the work covered. Students failing in any of the final examinations of the year must pass such examinations either at the opening of the ensuing session or during the Christmas vacation following. Students failing in more than one-third of the work must take the entire work again.

FRESHMAN YEAR		1st Semester Hours	2d Semester Hours
General and Practical Anatomy (Anatomy 1, 2)...		4	4
Anatomy of the Nervous System (Anatomy 8)...			2
Organic and Physiological Chemistry (Chemistry 3a, 34)		3	4
General Physiology (Physiology 1, 2).....		2	2
Histology and Embryology (Zoology 9, 10).....		4	2
History of Medicine.....		1	1
		14	15

*The required elective is a three-hour course to be taken in any department in the College of Medicine elected by the student, the character of the work to be determined by consultation between the head of the department and the student.

SOPHOMORE YEAR

	1st Semester Hours	2d Semester Hours
Regional, Practical and Applied Anatomy (Anatomy 3, 4).....	4	3
Advanced Physiology (Physiology 3).....	3	
Urinary Analysis and Toxicology (Chemistry 41)	4	
Pharmacodynamics	2	2
Bacteriology	4	
Pathology 2		6
Clinical Diagnosis (Pathology 4).....		1
Demonstration Courses		2
Required Elective*		3
	—	—
	17	17

JUNIOR YEAR

Special Pathology	1	1
Therapeutics	2	2
Sanitation and State Medicine.....	0	1
Surgical Anatomy	1	0
Physical Diagnosis	2	2
Medicine	4	4
Surgery	4	4
Obstetrics	2	2
Bandaging and Dressing.....	1	1
Prescription-Writing, Electro-Therapeutics	1	1
Pediatrics	1	0
Ophthalmology and Otology.....	0	1
	—	—
	19	19

*The required elective is a three-hour course to be taken in any department in the College of Medicine elected by the student, the character of the work to be determined by consultation between the head of the department and the student.

SENIOR YEAR

	1st Semester Hours	2d Semester Hours
Clinical Laboratory	2	2
Nose and Throat.....	1	1
Gynecology	2	2
Surgery Conference and Practice.....	3	3
Obstetrics	2	2
Mental and Nervous Diseases.....	1	1
Dermatology	1	1
Therapeutics	1	1
Jurisprudence	0	1
Life Insurance Examination.....	1	0
Ophthalmology and Otology.....	1	1
Medicine	3	3
	18	18

NOTE.—Dispensary and sectional clinics in addition thruout the year.

COURSES OF INSTRUCTION

ANATOMY

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER, DR. HILTNER, DR. WALKER, DR. WEKESSE; IN OMAHA, ASSOCIATE PROFESSOR STOKES

This department aims to present the subject of human anatomy in a thoroughly scientific manner. The laboratory work is done under constant surveillance. The modeling of bones and drawing of them and of soft parts from the subject as exposed in dissection are also prescribed in the course. The student is required to take frequent individual quizzes upon the cadaver; to demonstrate all parts dissected to a demonstrator; to attend class quizzes two or three times a week; and to pass occasional review quizzes and an individual oral final examination. The lectures supplement the laboratory work, dealing with such facts from embryology, comparative vertebrate anatomy, etc., as will add breadth to the students' view of the field.

The work in anatomy is preceded by courses in general zoology and comparative vertebrate anatomy and are so arranged as to secure a logical development of the subject. In the first year of the course the ground covered is osteology, and the anatomy of the arm, leg, trunk-wall, and urino-genital organs (Anatomy 1, 2), together with the central nervous system (Anatomy 8). In the following year the practical work is finished in the first semester by the study of the head, neck, and viscera (Anatomy 3), while in the second semester is given a general review of the subject of descriptive anatomy (Anatomy 3), together with regional and topographical anatomy (Anatomy 4); the last leads up to surgical anatomy in the junior year (Anatomy 5, 6), and thus the student comes directly to the application of the subject in clinical work.

The laboratory occupies rooms for lectures and quizzes, for osteology, for dissection, locker-room, preparation room, and store rooms. The dissecting room is divided into small rooms, one for each table, each under a large skylight and each provided with electric lights for dark days. To assist the student in his work, charts, models, anatomical preparations and carefully selected works of reference are close at hand for ready consultation.

COURSES

1. **General and Practical Anatomy**—Introductory principles; general descriptive anatomy. Laboratory work; osteology; dissection of human arm, leg, and trunk, exclusive of the viscera; urogenital organs. One hour lecture. Two hours quiz. Eight hours laboratory. Four hours credit if taken in full; three hours if taken by those who have previously completed osteology (Zoology, 8a) or its equivalent. First semester, freshman year.

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER AND DEMONSTRATORS

2. **General and Practical Anatomy**—1 continued. Second semester.

3. **Advanced Practical Anatomy**—Laboratory work; dissection of head, neck, and viscera. Three hours quiz. Eight hours laboratory. Four hours credit. First semester, sophomore year. General review quiz, second semester.

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER AND DEMONSTRATORS

4. **Applied Anatomy**—Lectures and demonstrations on the cadaver; regional and topographical anatomy; relationships of anatomic details; practical application. Two hours attendance. Second semester, sophomore year. Two hours credit.

ADJUNCT PROFESSOR POYNTER

5. **Surgical Anatomy**—Lectures, illustrated by charts, models and museum specimens; practical work on the cadaver. Designed to apply anatomy to surgery. Two hours lecture. First semester, junior year.

ASSOCIATE PROFESSOR STOKES

6. **Experimental Surgery**—Intended to familiarize student with principles of surgical technique and asepsis by actual operations performed on animals, and done with the same care as on the human body. Optional for juniors, second semester. Three hour clinic.

ASSOCIATE PROFESSOR STOKES

8. **Anatomy of the Nervous System**—Including a study of the organs of special sense. One hour quiz. Four hours laboratory. Two hours credit. Second semester, freshman year.

PROFESSOR WOLCOTT

11. **Advanced Anatomy**—For those who have had Anatomy 1, 2 and 3, or a complete dissection of the body, and who desire to review the subject or to cover the anatomy of certain regions. Credit from two to five hours. Fee graduated. First semester.

PROFESSOR WOLCOTT

12. **Advanced Anatomy**—Continuation of course 11. Second semester.

PROFESSOR WOLCOTT

BACTERIOLOGY AND PATHOLOGY

PROFESSOR WAITE, DOCTOR PILSBURY, MR. EMERSON

BACTERIOLOGY

This course aims to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth and the chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. Four hours credit. First semester, sophomore year.

PROFESSOR WAITE

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation and tumors are carefully studied. In conclusion the diseases of special organs are taken up according to their relative importance. In the lab-

oratory the student is required to identify about one hundred and fifty specimens, and, with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and to train him in accuracy of observation.

COURSES

2. **Pathology**—Five hours lecture and quizzes. Eight hours laboratory. Six hours credit. Second semester, sophomore year.

PROFESSOR WAITE

4. **Clinical Diagnosis**—Normal and pathological blood, urine, gastric fluid, feces and sputum. Blood is studied carefully in relation to its value in diagnosis; laboratory methods of staining, counting and observation of all kinds of blood. Routine work in examining normal and pathologic gastric secretions, urine, and feces; special investigations on the relation of metabolism in health and disease to ingesta and excreta. Clinical and bedside observations; elucidate application of such methods. Two hours attendance. One hour credit. Second semester, sophomore year.

DOCTOR EVERETT

CHEMISTRY

HEAD PROFESSOR AVERY, PROFESSOR DALES, ADJUNCT PROFESSOR FOSSLER,
ADJUNCT PROFESSOR BORROWMAN, MISS GRAHAM

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

COURSES

- A. **General Chemistry**—This course is designed to give a general view of chemistry. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. Four hours laboratory. Three hours credit. First semester.

PROFESSOR DALES

B. General Chemistry—Continuation of A. Especial attention is given to the metallic elements, the more common organic compounds and the applications of chemistry to every-day life. Prerequisite: A. Three hours lecture. Four hours laboratory. Three hours credit. Second semester. PROFESSOR DALES

D. The Non-Metallic Elements—Including the general principles of chemistry. The course is designed especially for those whose program of studies does not permit them to carry A and B before registering for 1. Such students will attend the same lectures as are given in A, and in addition one hour quiz at a time to be arranged. Three hours lecture. One hour quiz. Eight hours laboratory. Four hours credit. First semester.

PROFESSOR DALES

(NOTE: A and B are not to be confused with courses of the same designation previously given. These courses are designed to present the subject to students in the College of Arts and Sciences and in the Teachers College. No previous training in chemistry is required. The course previously termed A is now replaced by course D, while the older B is now designated combined 1 and 2.

In general, students desiring to study chemistry who enter the University with two points credit should register for Chemistry 1. Students with less than two points are expected, unless advised otherwise, to register as follows: Those in the College of Arts and Sciences and in the Teachers College will register for A. Students in the College of Engineering, and the College of Medicine will register for D.)

1. Qualitative Analysis—Elementary course required of technical and scientific students. Must be preceded by Course D or its equivalent (see announcement for College of Arts and Sciences and the College of Engineering). Two hours attendance. Four hours laboratory. Two hours credit. First semester, freshman year.

ADJUNCT PROFESSOR BORROWMAN

2. Qualitative Analysis—1 continued. Introduction to quantitative analysis included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester, freshman year.

ADJUNCT PROFESSOR BORROWMAN

1 and 2 (combined course). Qualitative Analysis. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.
PROFESSOR DALES

3. Elementary Organic Chemistry—The important classes of organic substances. Preparation, in laboratory, of typical compounds. Three hours attendance. Six hours laboratory. Three hours credit. First semester, sophomore year.

ADJUNCT PROFESSOR FOSSLER

3a. Organic Chemistry—The aliphatic and benzene derivatives as given in courses 3 and 4, abbreviated for four-year medical and dental students only. Three hours lecture. Six hours laboratory. Three hours credit. First semester, freshman year. MISS GRAHAM

4. Elementary Organic Chemistry—3 continued. Second semester.

25. Physical Chemistry—Elementary course; the general principles of physical chemistry with applications to chemistry and to other sciences. Required in six-year course; elective in four-year course. Two hours credit. First semester.

PROFESSOR DALES

34. Physiological Chemistry—The organic compounds and chemical processes of physiological importance. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester, sophomore year.

ADJUNCT PROFESSOR FOSSLER

41. Urine Analysis and Toxicology—Chemical composition of urine in health and in disease; methods for the detection of abnormal constituents; physiological properties of and methods for detecting poisons. Must be preceded by courses 1, 2, 3 and 4. Four hours lecture. Eight hours laboratory. Four hours credit. First semester.

ADJUNCT PROFESSOR FOSSLER

HISTORY OF MEDICINE

DOCTOR ORR

1. History of Medicine and Medical Literature—Lecture and study course dealing with men who have contributed to medical knowledge from the earliest times to the present. One hour lecture. One hour credit. First semester, freshman year.

DOCTOR ORR

2. **History of Medicine and Medical Literature**—1 continued. Development of medicine in its different branches as an abstract department of knowledge. Reading and note-taking. Special study of library methods and medical literature, medical cataloging and bibliography. One hour lecture. One hour credit. Second semester, freshman year. DOCTOR ORR

HYGIENE AND STATE MEDICINE

PROFESSOR TOWNE, PROFESSOR CLAPP

1. **Hygiene**—Brief history. Digestion: foods, their source, digestibility and value. Stimulants and narcotics. Care of the eye. Respiration and circulation. Advantages of regular exercise. Bathing and clothing. Water supply and its relation to health. Air and ventilation. Heating, lighting, drainage, plumbing and sewage—both private and municipal. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester. Required only in the six-year course. PROFESSOR CLAPP

SANITATION AND STATE MEDICINE

3. **Sanitation and State Medicine**—Relation of medical profession to public health. Theoretical consideration. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk and food; sewage, disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. First semester, junior year. PROFESSOR TOWNE

4. **Sanitation and State Medicine**—3 continued. Second semester.

PATHOLOGIC ANATOMY AND CLINICAL PATHOLOGY

ASSOCIATE PROFESSOR WOOLLEY

The course in general and special pathologic anatomy and histology is specially designed to apply to the principles of general pathology, to organic and systemic abnormal alterations, and to bring out the close relations of these alterations to clinical symptoms.

Instructions by the lecture-laboratory method, each exercise being a didactic quiz.

Each student is required to write a résumé on some assigned subject and to present it before the class.

In addition to this all the students attend and assist at autopsies, make a study of the gross pathologic appearance and later see sections of the tissue.

The work in Clinical Pathology covers examinations of blood, feces, urine, gastric contents, sputum, and other secretions and excretions from the chemical and microscopical standpoints. Especial attention is paid to the study of normal and pathologic blood, in fresh and stained conditions.

1. **Pathologic Anatomy**—Lectures, demonstrations and quizzes in special pathology, post mortem technique and gross pathology. Two hours. First semester, junior year.

ASSOCIATE PROFESSOR WOOLLEY

2. **Pathologic Anatomy**—1 continued. Second semester.

3. **Pathologic Anatomy**—Conferences on current problems of general and special pathology for half the class. Two hours. Second semester, junior year.

ASSOCIATE PROFESSOR WOOLLEY

4. **Clinical Diagnosis**—First semester, junior year, two hours lectures and demonstrations. Some work outside of regular hours is also required.

ASSOCIATE PROFESSOR WOOLLEY

5. **Clinical Diagnosis**—Members of the senior class examine specimens, obtained from clinical cases, in the laboratory under the supervision of the professor in charge and report to the professor holding the clinic. First semester, senior year.

ASSOCIATE PROFESSOR WOOLLEY

6. **Clinical Diagnosis**—5 continued. Second semester.

PHARMACODYNAMICS

PROFESSOR LYMAN

The physiological action of the principal drugs used in medicine are studied in detail. The laboratory work consists of the injection of a drug into a lower animal. The amount necessary to produce the physiological effect is watched and the changes produced in the vital phenomena are observed. Finally the application of the drug is considered. Sufficient time will also be given to the subject to thoroughly familiarize

the student with the preparations of various drugs and their comparative values, methods of administration and conditions which influence their action.

1. **Pharmacodynamics**—Combined lecture, demonstration, and laboratory course. Two hours credit. First semester, sophomore year.
ASSOCIATE PROFESSOR LYMAN
2. **Pharmacodynamics**—1 continued. Second semester, sophomore year.
ASSOCIATE PROFESSOR LYMAN

PHYSIOLOGY

PROFESSOR GUENTHER

A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses and reproduction.

1. **General Animal Physiology**—Combined lecture, demonstration and laboratory course. Two hours quiz. Three hours laboratory. Two hours credit. First semester, freshman year.
PROFESSOR GUENTHER
2. **General Animal Physiology**—1 continued. Second semester.
3. **Advanced Physiology**—Three hours quiz. Three hours laboratory. Three hours credit. First semester, sophomore year.
PROFESSOR GUENTHER

THERAPEUTICS

PROFESSOR CRUMMER, DOCTOR JEFFERSON, DOCTOR MANNING

1. **Therapeutics**—All drugs which under the test of modern investigation have been found useful in treatment of disease and disease symptoms. Direct application of the scientific data obtained thru pharmacodynamics to the alleviation of suffering. Questions of treatment considered as matters of direct argument from physiology and pathology rather than as mere memory work. Assigned reading given out on each special topic before the lecture. Personal quizzing; prescription writing demanded as a part of each quiz. One hour a week. First semester, junior year.
DOCTOR MANNING

2. **Therapeutics**—1 continued. Second semester, junior year.
DOCTOR MANNING
3. **Therapeutic Measures Other Than Drugs**—Importance of many forms of mechanical, physical and hygienic treatment of recent emphasis in therapeutics. Indication and application of these various measures. Hygiene, diet, massage, exercise, newer ideas of mechanical therapeutics; newer developments of immunity and serum treatment. One hour lecture or quiz. First semester, junior year.
DOCTOR JEFFERSON
4. **Therapeutics**—3 continued. Second semester, junior year.
DOCTOR JEFFERSON
5. **Advanced Therapeutics**—Practical course. Necessity for definite plans of treatment based upon logical reasoning shown in the more prominent diseases. Will embrace the direct application of all forms of therapeutic aid. Lectures and quizzes. As full clinical practice by student as possible in necessary therapeutic manipulations, such as catheterization, anesthetization, etc. In clinics special attention paid to analyzing cases for therapeutic indications. One hour a week. Senior year.
PROFESSOR CRUMMER
6. **Advanced Therapeutics**—5 continued. One hour a week. Senior year.
PROFESSOR CRUMMER
7. **Seminar in Therapeutics**—Arranged at opening of school year. Each student will make an investigation and report upon some of the modern specialized forms of therapeutics, such as Nauheim treatment, Carlsbaad treatment, Finsen treatment. Careful investigation of the topic; criticism by the instructor. Report to class. Class discussion. Senior year. By appointment.
PROFESSOR CRUMMER

ZOOLOGY

HEAD PROFESSOR WARD, PROFESSOR WILLARD, ASSOCIATE PROFESSOR BARKER, ASSOCIATE PROFESSOR POWERS, AND ASSISTANTS

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thomas microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The departmental library adjacent and freely accessible contains 2,000 works on animal morphology and physi-

ology. A series of specimens from the Naples Zoological Station—one of injected tissues by Thiersch and embryological models by Ziegler and Dahlgren—are among the illustrative material.

GENERAL AND MEDICAL ZOOLOGY

1. **Introduction to Animal Biology and Medical Zoology**—Fundamental properties of protoplasm. Structure and activities of the cell. Its division. Maturation and fertilization of reproductive cells. Development and differentiation into germ layers, tissues, organs, and animals. Study of animals of special interest in clinical work, as hæmatozoa and helminthes. Two hours lecture and quiz. Four hours laboratory. Three hours credit. First semester, freshman year (in six and five-year courses).

ASSOCIATE PROFESSOR POWERS

2. **Introduction to Animal Biology and Medical Zoology**—1 continued. Second semester.

- A. **Introduction to Animal Biology and Medical Zoology**—For those who enter with the opening of the second semester. Equivalent to courses 1 and 2. Five hours lectures and quiz. Eight hours laboratory. Five hours credit. ASSOCIATE PROFESSOR BARKER

17. **Animal Parasites of Man**—Laboratory study, with assigned reading. Two hours credit. Elective, first semester, sophomore year.

HEAD PROFESSOR WARD

28. **Parasites of Man**—Various forms of entozoa chiefly; their relation to disease; demonstrations and assigned collateral reading. Two hours attendance. Two or three hours credit. Elective, second semester, sophomore year.

HEAD PROFESSOR WARD

HISTOLOGY AND EMBRYOLOGY

9. **Normal Histology**—Microscopical structure of tissues and organs, illustrated with drawings, models and demonstrations with lantern and projection microscope. Two hours lecture and quiz. Eight hours laboratory. Four hours credit. First semester, freshman year.

PROFESSOR WILLARD

10. **Vertebrate Embryology**—Survey of general embryology. Review of development of man. Laboratory work on the frog, chick and pig. Methods of graphic and plastic reconstruction. Two hours

lecture and quiz. Four or eight hours laboratory. Two or three hours credit. Second semester, freshman year.

PROFESSOR WILLARD

DEMONSTRATION COURSES

DOCTOR ORR, DR. LEHNHOFF

These courses are designed to serve as an introduction to the clinical instruction of the last two years. They are given in the second semester, sophomore year, each course running through five full weeks of actual instruction. Four hours attendance. Two hours credit.

a. **Physical Diagnosis**—Demonstration course. Methods of applying, for diagnostic purposes, knowledge gained in anatomical and physiological laboratories. Instruction in methods of examining patients and in the use of special appliances for physical diagnosis.

DOCTOR ORR

b. **Operative Technique**—Lectures and demonstrations. Introduction to study of surgery. Principles of asepsis, antisepsis and sterilization. Practical demonstrations of preparation of operator, field of operation, operating room, and instruments. Practical demonstrations on cadaver of methods of procedure in ligature of vessels, suturing of wounds, and amputations with special reference to topographical relations of parts involved.

DOCTOR LEHNHOFF

CLINICAL DEPARTMENT

CLINICAL INSTRUCTION

With cases in all departments of medicine and surgery the student is brought face to face. The 200,000 population of Omaha, South Omaha, and Council Bluffs, with their manufacturing industries, furnish the hospitals a great variety of cases in all branches of medicine and surgery. For instruction in accident and railway surgery there are unusual opportunities.

SECTION CLINICS

At the beginning of each year the senior class is divided into sections of three students each. Some of these attend section clinics daily at the various hospitals, each professor inviting the sections in regular rotation. These section clinics, both medical and surgical, afford extensive facilities for the most effective kind of clinical teaching—individual instruction. In physical diagnosis the student has ample practice, being required to make examinations and to reach a logical diagnosis. The instructor explains each case as fully as possible and then outlines the treatment. By this section-clinic method of instruction the student gets much more positive information than he can in the large general clinics.

JUNIOR YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8	Truelson Physical Diagnosis			Truelson Physical Diagnosis		Immanuel Hosp. (c) Davis Truelson Christie 9 to 12
9	Manning Therapeutics	Woolley Bacteriology Elective	Bliss Principles of Medicine	Jefferson Therapeutics	Jennie Edmundson Hospital	
10	Hollister Surgery Recitation	Truelson Medicine County Hospital	Edmiston Surgical Dressings and Bandaging	Pollard Obstetrics	Macrae Surgery	County Hospital (c) Schalek (a) Alkin (b) 8:30 to 9:30
11	Pollard Obstetrics Recitation		Pollard Obstetrics Recitation	Hollister Surgery Recitation	Treynor Medicine	Milroy (a) Bridges (b) Ludington (b) 9:30 to 11
1	Stokes Genito-Urinary and Rectal Surgery	McClanahan Christie Pediatrics Arena	Dispensary and Drug Room Section	Dispensary and Drug Room Section	Bliss Medicine Arena	
2		Davis Principles of Sur- gery	Peterson Medicine Recitation	Davis Principles of Sur- gery	Peterson Medicine Recitation	Woolley (a) Laboratory Pathology 2 to 4
3	Woolley Pathology Laboratory	Stokes (a) Surgical Anatomy Towne (b) Sanitation and State Medicine	Hull Surgery Recitation	Christie (a) Pediatrics Recita- tion Lemere (b) Ophthalmology and Otolgoy	Stokes (a) Surgical Anatomy Towne (b) Sanitation and State Medicine	Stokes (b) Experimental Surgery Elective 1 to 5
4	Jensen (b) Electro- Therapeutics	Goetz Medicine Recitation	Manning Therapeutics	Goetz Medicine Recitation	Hull Surgery Recitation	

(a) First Semester. (b) Second Semester. (c) Alternate Months.

SENIOR YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8	Clinical Laboratory				Clinical Laboratory	Immanuel Hosp. (c)
9	Owen Laryngology and Rhinology	Millroy Medicine Confer- ence	Jonas Surgery Methodist Hospital	Findley Gynecology Clarkson Hospital	Owen Laryngology and Rhinology	Davis Truelson Christie 9 to 12
10	Findley Gynecology	Stokes Genito-Urinary and Rectal Surgery	Bridges Medicine Methodist Hospital		Hoffman Goetz Medicine Wise Hospital	County Hospital (c)
11	Jonas Surgery Conference	Jonas Practice of Surgery		McClanahan Pediatrics	Morison Surgery	Schalek (a) Aikin (b) 8:30 to 9:30
1	Stokes Genito-Urinary and Rectal Surgery	McClanahan Christie Pediatrics Arena or Child Saving Institute	Woolley Methodist Hospital Clinical Laboratory	Schalek (b) Glick (a) Dermatology	Bliss Medicine Arena	Millroy (a) Bridges (b) Ludington (b) 9:30 to 11
2	Somers Obstetrics	Aikin Nervous Diseases	1 to 2:30	Crummer Therapeutics	Somers Obstetrics	
3	Ludington Medicine	Ward (a) Parasitic Diseases Mogridge (b) Arrested Develop- ment	Gifford Ophthalmology and Otology Methodist Hospital	Findley Gynecology	Cloyd (a) Life Insurance Ex- aminations Moore (b) Mental Diseases	
4	Page (b) Medical Jurisprudence	Bridges Medicine Confer- ence	2:30 to 4		Ramsey Fractures and Dis- locations	
				Morison (c) Operative Surgery		

(a) First Semester. (b) Second Semester. (c) Alternate Months.

HOURS DEVOTED TO EACH SUBJECT

(On the basis of thirty-two weeks of actual instruction in each year.)

	First Year	Sec'd Year	Third Year	Fourth Year	Entire Course	Total.			
	Lect. and Recit.	Laboratory.	Lect. and Recit.	Laboratory.	Lect. and Recit.	Laboratory.	Clinics.	Dispensary.	
ANATOMY:									
General.....	32				32				774
Practical and Quiz Work.....	64	256	48	128	112	384			
Nervous System.....	16	64			16	64			
Applied (surgical).....			48	30	78	120			288
Physiology.....	64	128	48	48	112	176			
CHEMISTRY:									
Organic.....	48	96			48	96			496
Physiologic.....	48	128			48	128			
Urinalysis and Toxicol.....			48	128	48	128			
Histology.....	32	128			32	128			160
Embryology.....	32	64			32	64			96
History of Medicine.....	32				32				32
Pharmacodynamics.....		64	96		64	96			160
Bacteriology.....		64	128		64	128			192
PATHOLOGY:									
General.....			80	128	80	128			520
Pathologic Anatomy.....			40	120	40	120			
Clinical Diagnosis.....			32	60	92				
Surgical.....				30	30	30	30		
				(Assignment to Autopsies.)					
				96	32	128			144
				16		16			
				(Drug Room Work.)					
MEDICINE:									
Physical Diagnosis.....			60	50	60	50			532
Internal Medicine.....			150	90	76	90	226	180	
Parasitic Diseases.....					16	16			
				(Assignment of Sections to Dispensary, Clin. Lab., Ward Work, etc.)					
SURGERY:									
Fractures and Dislocations.....					30		30		518
Principles.....			90				90		
Bandaging and Dressing.....			30				30		
Practice.....					30		30		518
Surgical Conference.....					30		30		
Surgical Quizzes.....			60		30		90		
Clinics and Instructions in Anesthetics.....				128	90			218	
				(Assignment of Sections to Operative Surgery, Experimental Surgery, Disp., etc.)					

HOURS DEVOTED TO EACH SUBJECT—CONCLUDED

(On the basis of thirty-two weeks of actual instruction in each year)

	First Year		Sec'd Year		Third Year			Fourth Year			Entire Course				Total.	
	Lect. and Recit.	Laboratory.	Lect. and Recit.	Laboratory.	Lect. and Recit.	Laboratory.	Clinics.	Dispensary.	Lect. and Recit.	Clinics.	Laboratory.	Lect. and Recit.	Laboratory.	Clinics.		Dispensary.
Sanitation and Hygiene..	.....	.....	.....	.....	28	.....	.....	.....	.....	.....	.....	28	.....	.....	.....	28
Gynecology.....	.....	.....	.....	.....	.....	.....	.....	.....	72	30	24	72	24	30	.....	128†
	(Assignment to Dispensary.)															
Obstetrics.....	.....	.....	.....	.....	90	.....	.....	.....	60	.....	.....	150	.....	.....	.....	†150†
	(Assignment to Cases, Manikin Demonstrations, etc.)															
Diseases of Eye and Ear..	.....	.....	.....	.....	14	.....	.....	.....	30	45	.....	44	.....	45	.....	89†
	(Assignment to Dispensary.)															
Diseases of Nose and Throat .....	.....	.....	.....	.....	.....	.....	.....	.....	48	15	.....	48	.....	15	.....	63†
	(Assignment to Dispensary.)															
Mental and Nervous Diseases	.....	.....	.....	.....	.....	.....	.....	.....	30	15	.....	30	.....	15	.....	45†
	(Assignment to Dispensary.)															
Pediatrics.....	.....	.....	.....	.....	16	.....	.....	.....	30	30	.....	46	.....	30	.....	†76†
Dermatology.....	.....	.....	.....	.....	.....	.....	.....	.....	30	15	.....	30	.....	15	.....	45†
	(Assignment to Dispensary.)															
Genito-Urinary Diseases.	.....	.....	.....	.....	.....	.....	.....	.....	30	30	.....	30	.....	30	.....	60
Medical Jurisprudence...	.....	.....	.....	.....	.....	.....	.....	.....	14	.....	.....	14	.....	.....	.....	14
Drug Room and Dispensary.....	.....	.....	.....	.....	.....	.....	.....	150	.....	.....	120	.....	120	.....	150	270
	368	864	432	656	810	270	268	150	528	360	144	2138	1934	628	150	4850
Total for each year...	1232*		1088		1498				1032			4850				4850
	1st yr.		2d yr.		3d yr.				4th yr.			Entire Course				

NOTES.—*The time actually spent on the first year's work is usually less, since part of the studies have been anticipated by all who take the five or six year college course.

† Assignment to cases in addition to time given.

‡ The time assigned to these departments is really greater, since they share in the dispensary work, etc. It is difficult to reduce this to figures, but it constitutes a very important part of the course.

INTERNAL MEDICINE

PROFESSOR BRIDGES, PROFESSOR MILROY, PROFESSOR TREYNOR, PROFESSOR
WARD, DOCTOR PETERSON, DOCTOR GOETZ, DOCTOR BLISS
CLINICAL ASSISTANT: DOCTOR TRUELSEN

1. **Physical Diagnosis**—General principles. Demonstrations of topography of head, chest, and abdomen. Physical signs in health learned by direct personal examination. Lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year.
DOCTOR TRUELSEN
2. **Physical Diagnosis**—1 continued. Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Second semester, junior year. Three hours.
DOCTOR TRUELSEN
3. **Internal Medicine**—General diseases, including infections and diseases of stomach and intestines, lungs and kidneys. All diseases pertaining to internal medicine; regular recitations held thereon afford theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease. In clinic in College building the cases are selected from out-door dispensary, and usually represent seasonable diseases of ambulatory type. First semester, junior year. (a) One hour lecture. DOCTOR BLISS. (b) Four hours recitation. DOCTORS PETERSON and GOETZ. (c) One hour clinic. DOCTOR BLISS. Two hours clinic, Douglas County Hospital or Immanuel Hospital. PROFESSOR MILROY, DOCTOR LUDINGTON, DOCTOR TRUELSEN.
4. **Internal Medicine**—3 continued. Second semester.
5. **Internal Medicine**—Includes subjects not lectured on in junior year. Elucidation of cases seen in hospital clinics, and of cases in private practice, illustrative of the subjects under consideration. Two hours weekly in conference. Members of senior class in rotation assigned cases for examination and study in dispensary clinic or at one of the affiliated hospitals, report thereon before class and professor. Full discussion and report of case follow; etiology, pathology, symptoms, diagnosis, prognosis, and treatment discussed. One clinic each week in College building, on cases selected from the large amount of material furnished by the

dispensary. Two hours weekly at the Douglas County Hospital or the Immanuel Hospital; two hours weekly at the Methodist Hospital. Careful direction here given to elaboration of clinical histories and to physical examination of chest and abdomen. Sputum, urine, and blood of patients examined by sections of the class in the college laboratory under direction of professor of pathology and reports made thereon. First semester, senior year. (a) One hour lecture. DOCTOR LUDINGTON. Two hours conference. PROFESSORS BRIDGES and MILROY. (b) Two hours clinics in the College. DOCTORS TRUESEN and BLISS. (c) Four hours hospital clinics. PROFESSORS MILROY, BRIDGES, DOCTOR LUDINGTON, DOCTOR TRUESEN.

6. **Internal Medicine**—5 continued. Second semester.

7. **Special Clinics**—To those clinics in above-mentioned hospitals, and also in the Jennie Edmundson Hospital, Council Bluffs, sections of the senior class are invited in rotation. Especial attention to diseases of the heart, lungs, and kidneys. The small classes are enabled to make close study of cases. First semester, senior year.

PROFESSORS BRIDGES, MILROY, and TREYNOR

8. **Special Clinics**—7 continued. Second semester.

9. **Animal Parasites and Parasitic Diseases**—Lectures on structure, life history, and distribution of those animals which stand in especial relation to the etiology and transmission of disease. Laboratory exercises and demonstrations on the animal parasites of man, with the technique of helminthological diagnosis. One hour lecture. First semester, senior year. PROFESSOR WARD

11. **Life Insurance Examinations**—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technique in examining applicants for life insurance. First semester, senior year. DOCTOR CLOYD

SURGERY

PROFESSOR JONAS, PROFESSOR DAVIS, PROFESSOR MACRAE, JR., ASSOCIATE
PROFESSOR STOKES, DOCTOR HUNT, DOCTOR EDMISTON, DOCTOR
HULL, DOCTOR MORISON, DOCTOR HOLLISTER

1. **Principles of Surgery**—Principles of surgery; full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Subjects assigned for recitation covering lectures on principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. In College Dispensary cases are presented for diagnosis, operation and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. Clinics at Douglas County and Immanuel Hospitals; operations for all manner of surgical diseases. Practical use of anesthetics, both local and general, considered at these clinics. First semester, junior year. (a) Two hours lecture. PROFESSOR DAVIS. (b) Four hours recitation. DOCTORS HULL and HOLLISTER. (c) Two hours dispensary clinic. One hour hospital clinic. PROFESSORS JONAS and DAVIS, DOCTORS HULL, MORISON and HOLLISTER.
2. **Principles of Surgery**—1 continued. Second semester.
3. **Bandaging**—Uses and application of bandaging, plaster of Paris (including its preparation) and other surgical dressings. Practical work under the direction of the instructor. One hour weekly. First semester, junior year. DOCTOR EDMISTON
5. **Practice of Surgery**—Covers part of ground gone over in recitations of junior year. References to observations in hospital clinics frequently recalled and elaborated to fix essential points in diagnosis and treatment. Subjects of hospital clinics brought up for conference in the class-room, when cases are more thoroughly discussed than the time allotted to operative work permits. Members of class in rotation assigned cases for examination, or illustrative cases cited upon which they are required to make reports on diagnosis, pathology, and treatment. Reports critically discussed in conference. Two hours general clinic at College Dispensary, principally on minor surgery, including exam-

ination, diagnosis, treatment and minor operations. Two hours at Nebraska Methodist Hospital in general and major surgery at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated, at which there are regular operation on all regions of the body. Two hours at Immanuel, Wise Memorial, or Douglas County Hospitals, also furnish opportunity for similar instruction. Members of the class required to assist at operations and administer anesthetics under direction as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. PROFESSOR JONAS. (b) Six hours clinics. PROFESSORS JONAS and DAVIS.

6. **Practice of Surgery**—5 continued. Second semester.

8. **Demonstrations**—Each member of the class individually instructed in performing surgical operations on the cadaver. He is required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection, trephining. Second semester, senior year.

PROFESSOR JONAS, DOCTOR MORISON

9. **Section Clinics**—Special clinics by appointment in all of the hospitals mentioned above and the Jennie Edmundson Hospital, Council Bluffs. These clinics afford work in all branches of general and special surgery. First semester, senior year.

PROFESSORS JONAS, DAVIS, MACRAE, JR., AND
ASSOCIATE PROFESSOR STOKES

10. **Section Clinics**—9 continued. Second semester.

12. **Oral Surgery**—Short course of lectures on the surgery of the mouth, in its relation to diseases of the teeth and alveolar processes; care of teeth and influence of neglect of mouth in production of general and stomach disorders. Second semester, senior year.

DOCTOR HUNT

13. **Laboratory Course in Surgical Pathology**—Gross and microscopic specimens demonstrated from a diagnostic point of view.

DOCTORS HOLLISTER AND KENNEDY

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—Various deformities; diagnosis, pathology and treatment. Joint diseases; their mechanical and other treatment. Practical study of the subjects of the lectures at surgical clinics in Omaha and Douglas County Hospitals. Operative precedures and the study of progress in the cases treated. One hour lecture. First semester, senior year. PROFESSOR JONAS
2. **Orthopedic Surgery**—1 continued. Second semester.

GENITO-URINARY SURGERY

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

COURSES

1. **Genito-Urinary Surgery**—One hour lecture. One hour clinic. First semester, senior year. ASSOCIATE PROFESSOR STOKES
2. **Genito-Urinary Surgery**—1 continued. Second semester.
3. **Laboratory Demonstrations**—Practical demonstrations in laboratory on pathology of genito-urinary diseases. ASSOCIATE PROFESSOR STOKES OR ASSISTANT

OBSTETRICS

PROFESSOR SOMERS, ADJUNCT PROFESSOR POLLARD

For practical work in obstetrics the material is ample. Each student is shown one case during the last semester of the junior year, special advantages being afforded students remaining in the city during the summer months. An obstetric clinic from 2 to 4 p. m. Saturdays is in successful operation in connection with this department, at which the students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the time. All material at the Tinley Home and for six months of the year at the County Hospital is utilized for this purpose. Written reports

of all clinical obstetric work is required and every student must have reported at least five cases of confinement before coming up for graduation.

1. **Anatomy and Physiology of the Female Pelvic Organs**—Development of the ovum; hygiene and management of pregnancy, its signs, diagnosis and pathology. Subject of lectures assigned for study and recitation. Three hours recitation. First semester, junior year.
ADJUNCT PROFESSOR POLLARD
2. **The Theory and Practice of Obstetrics as Applied to Normal and Abnormal Labor**—Lectures illustrated by charts, diagrams and models. Three hours lecture. Second semester, junior year.
ADJUNCT PROFESSOR POLLARD
3. **Obstetrics**—Mechanism of labor, difficult labor, pathology of puerperal state, and the new-born child. Exercises on manikin in diagnosing position and presentation, including a review of mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year.
PROFESSOR SOMERS
4. **Obstetric Surgery**—History and description of all obstetric operations with a demonstration of all necessary instruments and their uses. Two hours lecture weekly. Second semester, senior year.
PROFESSOR SOMERS
5. **Attendance on Obstetrical Cases**—The various lying-in hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of senior class under direction. During such attendance he is excused from the College exercises. Under direction and in presence of professor or one of his assistants, he makes examinations, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor, and, in case operative procedure is necessary, witnesses and assists at operations. Practical use of anesthetics in labor. Second semester, junior year, and first semester, senior year.
PROFESSOR SOMERS, ADJUNCT PROFESSOR POLLARD
7. **Pathology**—Normal and morbid anatomy of placenta and pregnant and puerperal uterus. Practical demonstrations in the laboratory. First semester, junior year.
8. **Pathology**—7 continued. Second semester.

GYNECOLOGY

PROFESSOR FINDLEY, DOCTOR HOLLISTER. CLINICAL ASSISTANTS: DOCTOR JEFFERSON, DOCTOR FAIRCHILD

The instruction in diseases of women consists largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological lesions and operative procedures, and in order that the student may be thoroughly grounded in the essentials of diagnosis the lectures and clinics are supplemented by a laboratory course in gynecological diagnosis where gross and microscopic specimens of the various lesions of the female genitalia are demonstrated. The dispensary clinic, held daily in the College building, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One college clinic each week is held in the Wise Memorial Hospital throughout both semesters where cares are presented for diagnosis and treatment.

1. **Gynecology**—Subject covered by didactic lectures and oral and written quizzes two days weekly. Supplemented by epidiascope illustrations, demonstrations of instruments, casts and pathological specimens. One clinic each week at Clarkson Memorial Hospital, where cases are presented for diagnosis and operations. A special feature of the clinic is the opportunity given each student to make examinations under anesthesia. One hour each day devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. First semester, senior year. (a) Lectures. PROFESSOR FINDLEY. (b) Demonstrations. PROFESSOR FINDLEY, DOCTOR HOLLISTER. (c) Hospital clinic. PROFESSOR FINDLEY, DOCTOR HOLLISTER. (d) Dispensary clinics. DOCTORS HOLLISTER, JEFFERSON, and FAIRCHILD.
2. **Gynecology**—1 continued. Second semester.
3. **Gynecological Diagnosis**—Laboratory course students referred to laboratory, where gross and microscopic pathology of gynecological lesions are studied. These demonstrations, together with the lectures and clinics, intended to supplement amphitheater discussions of pathology. Special stress upon microscopic diagnosis

of uterine scrapings and excised pieces. Opportunity is afforded students to do special laboratory work on fresh material from the clinics. First semester, senior year.

PROFESSOR FINDLEY, DOCTOR HOLLISTER

4. **Gynecological Diagnosis**—3 continued. Second semester.

OPHTHALMOLOGY AND OTOTOLOGY

PROFESSOR GIFFORD, DOCTOR LEMERE, DOCTOR PATTON

COURSES

1. **The Anatomy and Physiology of the Eye and Ear, and Practical Instruction in the Use of the Ophthalmoscope and Otoscope**—Opportunities to study in the dark rooms at the College dispensary the appearances of the normal fundus of the eye and of the drum membrane of the ear. One hour weekly. Second semester, junior year.
3. **Ophthalmology and Otology**—External and internal diseases of the eye and ear and their differential diagnosis. The clinics furnish abundant cases illustrative of the lectures on the eye and ear. First semester, senior year. (a) One hour lecture. PROFESSOR GIFFORD. (b) Hospital clinic. One hour weekly. PROFESSOR GIFFORD. (c) Sectional clinic. DOCTOR LEMERE.
4. **Ophthalmology and Otology**—3 continued. Second semester.
5. **Elective Course**—General principles of spectacle-fitting for those especially interested. Either semester, senior year.

DOCTOR PATTON

LARYNGOLOGY AND RHINOLOGY

PROFESSOR OWEN, DOCTOR WHERRY

1. **Laryngology and Rhinology**—Anatomy and physiology of the upper respiratory tract. Diseases of the nose, throat and larynx; their dependence upon and relation to various constitutional infections and dyscrasias. One hour lecture. First semester, senior year.
2. **Laryngology and Rhinology**—1 continued. Second semester, senior year.

PROFESSOR OWEN

3. **Principles and Use of the Laryngoscope and Rhinoscope**—The practical application in a study of normal appearances of nose, throat, and larynx. Dark room with artificial light provided in the College dispensary. One hour weekly. First semester, senior year. DOCTOR WHERRY

4. **Clinic**—Dispensary clinic furnishes material for study of diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearance and the use of the instruments during the first semester, students are prepared for practical instruction in pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel Hospitals. One hour weekly. Second semester, senior year. PROFESSOR OWEN, DOCTOR WHERRY

DERMATOLOGY AND GENITO-URINARY DISEASES

PROFESSOR SCHALEK, DOCTOR KLICK

One conference weekly throughout the session dealing with cases demonstrated or reported to the class. At College dispensary students become familiar with the more common cutaneous diseases. The latest advances in syphilology and the use and indications of radiotherapy. A clinic weekly for one semester at County Hospital with abundant dermatological material. From time to time the students are taken to other hospitals to see patients at the bedside. A weekly recitation and quiz. Finely executed plates and photographs illustrating various diseases of the skin.

COURSES

1. **Dermatology**—Lecture one hour weekly. First and second semester, senior year. PROFESSOR SCHALEK
2. **Dermatology and Genito-Urinary Diseases**—Clinic at the County Hospital one hour weekly. Demonstration of patients. First and second semester, senior year. PROFESSOR SCHALEK
3. **Dermatology**—Recitation and quiz. Demonstration of plates and patients. One hour weekly, first and second semester, senior year. DOCTOR KLICK
4. **Hospital Clinics**—By appointment at the Methodist, Immanuel and Clarkson Hospitals.

PEDIATRICS

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

1. **Pediatrics**—Gastro-intestinal diseases, infections, dyscrasias and important part played by errors of diet in their production. Milk modification in all its methods, including the working out of percentages. The history and technique of intubation. Clinics at College Dispensary where many cases of ordinary affections of infancy and childhood appear, furnish practical applications. One hour lecture. One hour clinic. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

2. **Pediatrics**—1 continued. Second semester.
3. **Care of Children**—Instruction in the care, hygiene and feeding of infants, cranial measurements, and physical development. One hour lecture. First semester, senior year. DOCTOR CHRISTIE
4. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute, where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever, and whooping cough, as they occur in epidemic form. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

5. **Section Clinics in Pediatrics**—4 continued. Second semester.

NERVOUS AND MENTAL DISEASES

PROFESSOR AIKIN, PROFESSOR MOORE, DOCTOR MOGRIDGE

1. **Lectures on Diseases of the Nervous System**—Lectures on the causes of nervous diseases, and the general symptoms. Diagnosis and methods of examination. Diseases of the peripheral nerves. Motor neuroses of the cranial nerves. Motor neuroses of spinal nerves. Sensory neuroses of cerebro-spinal nerves. Diseases of the spinal cord. Degenerative diseases. Muscular atrophies and dystrophies. Diseases of the brain. Function neuroses. Insomnia and neurological therapeutics. These lectures will be illustrated by clinical cases at the College, Methodist Hospital, Immanuel Hospital, and Douglas County Hospital. In the College and Douglas County Hospital students are assigned cases for examination, diagnosis and treatment and will be required to

report their cases before the entire class. One hour lecture. First semester, senior year.

PROFESSOR AIKIN

2. **Lectures on Diseases of the Mind**—Definitions, classification, general etiology, general pathology. General psychology. General symptoms and symptom groups. Examination and diagnosis. Functional psychoses, organic psychoses. 1 clinical work continued. Second semester. One hour lecture. Second semester, senior year.

PROFESSOR MOORE, PROFESSOR AIKIN

6. **Lectures on Arrested Development**—This course considers the cause, manifestations and diagnosis of arrested development. The class spends a day at the Glenwood, Iowa, Institution for the Feeble Minded. Six lectures, one hour. Second semester, senior year.

DOCTOR MOGRIDGE

MEDICAL JURISPRUDENCE

MR. PAGE

1. **Medical Jurisprudence**—Physicians' contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year.

MR. PAGE

GRADUATE WORK IN MEDICINE

To provide for a more thoro training in medicine the University proposes to encourage an optional year of graduate study under the following conditions: (1) Research work in any one of its departments; (2) an internship in some approved hospital; (3) advanced study in some appropriate field at a research laboratory or other institution of higher learning.

At the close of the additional year the student may be recommended to receive the degree of Doctor of Medicine cum laude, provided he has been in residence for a period covering at least the academic year of the University, presents a thesis satisfactory to his advisory committee, and is favorably recommended to the faculty by this committee.

A student desiring to become a candidate for the fifth year's work

must register his purpose in writing with the dean on or before Commencement Day of the year preceding such advanced study.

Normally hospital internships shall be taken in some one of the affiliated hospitals; all other cases must be the subject of specific request and approval by the faculty on recommendation of the deans. Approval must also be secured from such hospitals and the chief of the staff must express in writing his willingness to accept the interne and to carry out the conditions laid down by the committee for such work in affiliated hospitals.

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UNIVERSITY OF ILLINOIS

Series XVI

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PRESIDENT'S OFFICE

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ANNUAL CATALOG

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1911

OF THE

COLLEGE OF MEDICINE

ANNOUNCEMENT

1911-1912

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The Bulletin of the University of Nebraska is published bi-weekly during the month of April, exclusive of the first week, and monthly in May, June and November of each year by the University of Nebraska. Application made for entry at the Post-Office at Lincoln, Nebraska, as second-class matter under Act of Congress July 16, 1894.

1911-12.

COLLEGE OF MEDICINE CALENDAR

1911

For the Work in Lincoln

September 19	Tuesday	First Semester begins.
September 19-23	Tuesday-Saturday	Entrance examinations and registration.
September 23	Saturday, 8.00 p.m.	University reception to all students.
September 26	Tuesday, 11 a.m.	Opening address by the Chancellor.
November 29	Wednesday, 12 m.	Thanksgiving recess begins.
December 2	Saturday, 12 m.	Thanksgiving recess ends.
December 12	Tuesday	Regular Meeting of the Board of Regents.
December 20	Wednesday, 6 p.m.	Christmas vacation begins.

1912

January 2	Tuesday, 8 a. m.	Christmas vacation ends.
Jan. 29-Feb. 2	Monday-Friday	First semester examinations.
Jan. 30-Feb. 3	Tuesday-Saturday	Entrance examinations and registration for the second semester.
February 5	Monday	Second semester classes begin.
February 15	Thursday	Charter Day. A holiday. Regular Meeting of the Board of Regents
March 18	Monday, 6 p. m.	Spring recess begins.
March 23	Saturday, 12 m.	Spring recess ends.
April 9	Tuesday	Regular meeting of the Board of Regents.
May 25	Saturday	Senior Class Play.
May 29-June 5	Thursday-Wed.	Second semester examinations.
June 10	Monday, 4 p. m.	Final recommendations for baccalaureate degrees by faculties.
June 13	Thursday	Forty-first annual commencement.

1911

For the Work in Omaha

September 12	Tuesday	Registration
September 13	Wednesday	Lectures begin.
November 29	Wednesday, 12 m.	Thanksgiving recess begins.
December 2	Saturday, 12 m.	Thanksgiving recess ends.
December 22	Friday, 6 p. m.	Christmas vacation begins.

1912

January 8	Monday, 8 a. m.	Christmas vacation ends.
January 22-26	Monday-Friday	First semester examinations.
January 29	Monday	Second semester classes begin.
February 22	Thursday	Washington's birthday. A holiday.
May 10	Friday	Senior lectures end.
May 13-21	Monday-Wednesday	Senior examinations.
May 24	Friday	Junior lectures end.
May 23	Thursday	Commencement.
May 27-31	Monday-Friday	Junior examinations.
September 10	Tuesday	First Semester begins (1912-1913).

OFFICERS OF ADMINISTRATION AND INSTRUCTION
IN LINCOLN

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
JAMES STUART DALES, M. Ph., Secretary of the University.
PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

ROBERT HENRY WOLCOTT, A. M., M. D., Acting Dean of the College of Medicine.
HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology.
BENTON DALES, Ph. D., Professor of Analytical Chemistry, in charge of the Department of Chemistry.
AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology.
RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Pharmacology and Director of the School of Pharmacy.
WILLIAM ALBERT WILLARD, Ph. D., Professor of Histology and Embryology.
CHARLES WILLIAM McCORKLE POYNTER, B. Sc., M. D., Professor of Human Anatomy.
FRANKLIN DAVIS BARKER, Ph. D., Associate Professor of Zoology.
HIRAM WINNETT ORR, M. D., Assistant Professor of the History of Medicine.
MARY LOUISE FOSSLER, A. M., Adjunct Professor of Chemistry.
GEORGE HEMAN WALKER, M. D., Adjunct Professor of Anatomy.
JAMES F. STEVENS, A. M., M. D., Adjunct Professor in Charge of Materia Medica.
LAWRENCE B. PILSBURY, A. B., M. D., Adjunct Professor of Bacteriology and Pathology.
HENRY JOHN LEHNHOFF, A. B., M. D., Instructor in Surgery.
*CLARENCE EMERSON, Ph. D., Instructor in Bacteriology and Pathology.
HENRY PETER WEKESSER, M. D., Demonstrator in Anatomy.
DAVID CLARK HILTON, A. M., M. D., Instructor in Anatomy.
J. STANLEY WELCH, A. B., M. D., Instructor in Physical Diagnosis.
EDWARD WINFIELD ROWE, B. Sc., M. D., Instructor in Materia Medica.

*Resigned.

IRVING SAMUEL CUTTER, B. Sc., M. D., Instructor in Chemistry.
WALTER LEONARD ALBIN, M. D., Instructor in Pathology.
MILTON F. ARNHOLT, A. B., B. Sc., Assistant in Anatomy.
JOSEPH WILSON LAUGHLIN, B. Sc., Assistant in Anatomy.
ARTHUR LAWRENCE SMITH, Assistant in Anatomy.
DONALD BENJAMIN STEENBERG, B. Sc., Assistant in Anatomy.
EARL GEORGE JOHNSON, A. B., Assistant in Physiology.
JOHN JACOB PUTNAM, B. Sc., A. M., Assistant in Pathology.
EDGAR MATTHIAS MEDLAR, B. Sc., Scholar in Zoology.
CLIFFORD WEBB WELLS, Ph. B., Scholar in Histology and Embryology.

Committees of the Faculty in Lincoln

Course of Study—The Dean (chairman), Professors Waite, Dales, Lyman, Doctor Pilsbury.
Publication—Professor Orr (chairman), Professors Guenther, Willard.
Advanced Standing—Professor Waite (chairman), Professors Willard, Stevens, Doctor Lehnhoff, the Dean.
Schedule of Classes—Professor Dales (chairman), Professor Barker, Doctor Albin, the Registrar.
Convocation and Review Courses—Professor Lyman (chairman), Professors Guenther, Poynter, Doctor Welch.

OFFICERS OF ADMINISTRATION AND INSTRUCTION
IN OMAHA

WILLSON ORTON BRIDGES, M. D., Associate Dean of the College of Medicine and Professor of the Principles and Practice of Medicine and Clinical Medicine.

HAROLD GIFFORD, B. Sc., M. D., Professor of Ophthalmology and Otology.

RICHARD CHANNING MOORE, M. D., Professor of Diseases of the Mind.

WILLIAM FORSYTH MILROY, M. D., Professor of Clinical Medicine and Physical Diagnosis.

AUGUST FREDERICK JONAS, M. D., Professor of the Practice of Surgery and Clinical Surgery.

HARRY MONROE McCLANAHAN, A. M., M. D., Professor of Pediatrics.

BYRON BENNETT DAVIS, A. B., M. D., Professor of the Principles of Surgery and Clinical Surgery.

FRANK STYLES OWEN, M. D., Professor of Laryngology and Rhinology.

ANDREW BARTHOLOMEW SOMERS, M. D., Professor of Obstetrics.

OLON RODNEY TOWNE, A. M., M. D., Professor of Hygiene and State Medicine.

JOSEPH MELANCHTHON AIKIN, M. D., Clinical Professor of Nervous Diseases.

PALMER FINDLEY, A. M., M. D., Professor of Didactic and Clinical Gynecology.

ALFRED SCHALEK, A. M., M. D., Professor of Dermatology and Genito-Urinary Diseases.

*LE ROY CRUMMER, M. D., Professor of Therapeutics.

ARTHUR CHARLES STOKES, B. S., M. D., Associate Professor of Genito-Urinary Surgery and Surgical Anatomy.

CHARLES WHITNEY POLLARD, A. B., M. D., Adjunct Professor of Obstetrics.

*Resigned.

BURTON WHITFORD CHRISTIE, B. Sc., M. D., Instructor in Pediatrics.

ALFRED OLAF PETERSON, A. M., M. D., Instructor in Internal Medicine.

JAMES SAMUEL GOETZ, M. D., Instructor in Internal Medicine.

THOMAS TRUELSEN, M. D., Instructor in Physical Diagnosis and Clinical Assistant in Medicine.

PAUL HAGANS LUDINGTON, A. B., M. D., Instructor in Medicine.

RODNEY WALDO BLISS, B. Sc., M. D., Instructor in Clinical Pathology and Internal Medicine.

ROBERT RUSSELL HOLLISTER, A. B., M. D., Instructor in Surgery and Gynecology.

CHARLES REX KENNEDY, M. D., Instructor in Surgery.

HENRY BASSETT LEMERE, M. D., Instructor in Ophthalmology and Otology.

ERNEST TIBBETS MANNING, M. D., Instructor in Therapeutics.

WILLIAM PENALUNA WHERRY, M. D., Instructor in Laryngology and Rhinology.

CHARLES CAMPBELL MORISON, A. B., M. D., Instructor in Surgery.

CHARLES AARON HULL, M. D., Instructor in Surgery.

JAMES McDOWELL PATTON, A. M., M. D., Instructor in Ophthalmology and Otology.

ALFRED JEFFERSON, M. D., Instructor in Therapeutics and Clinical Assistant in Gynecology.

NORA MAY FAIRCHILD, M. D., Clinical Assistant in Gynecology.

JOHN CLYDE MOORE, JR., B. Sc., M. D., Clinical Assistant in Medicine.

AUGUST DAVIS CLOYD, M. D., Lecturer on Life Insurance Examinations.

ALFRED ONIAS HUNT, D. D. S., Lecturer on Dental Surgery.

GEORGE MOGRIDGE, M. D., Lecturer on Arrested Development, Glenwood, Iowa.

ERNEST CLIFFORD PAGE, Ph. M., LL. B., Lecturer on Medical Jurisprudence.

JOHN JOSEPH KLICK, M. D., Assistant in Dermatology.

DISPENSARY STAFF

Superintendent of Dispensary—Dr. Bliss.

Internal Medicine—Professors Bridges and Milroy; Assistants, Doctors Bliss and Moore.

Surgery—Professors Jonas and Davis; Assistants, Doctors Blodgett and Petr.

Eye and Ear—Professor Gifford; Assistant, Doctor Patton.

Nose and Throat—Professor Owen; Assistant, Doctor Rubendall.

Pediatrics—Professor McClanahan; Assistant, Doctor Christie.

Obstetrics—Professor Somers; Assistant, Doctor Pollard.

Gynecology—Professor Findley; Assistant, Doctor Fairchild.

Nervous Diseases—Professor Aikin.

Dermatology—Professor Schalek; Assistant, Doctor Klick.

Genito-Urinary Surgery—Associate Professor Stokes.

Drug-Room—James C. Tucker, R. Ph., B. Sc.

Committees of the Faculty in Omaha

Students and Examinations—Professors Jonas and Milroy.

Faculty and Catalog—Professors Gifford and Findley.

Clinics and Lectures—Professors Bridges and Owen.

Laboratories and Dispensary—Professors Jonas and Findley.

Finance and Supplies—Professors Owen and Somers.

Employees—Professors Somers and Bridges.

Commencement and Entertainment—Professors Davis and Gifford.

Building, Grounds and Repairs—Professors Milroy and Davis.

ORGANIZATION OF THE COLLEGE OF MEDICINE

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and had experienced strong and steady growth. As an integral part of the University, and gathering strength from that connection, the College has gone rapidly forward. The requirements for entrance have been raised step by step till now they are on a level with those of the best medical colleges, thus assuring a student body properly prepared for the improved advantages at its disposal.

The work of the first two years is carried on at Lincoln. The University's laboratories, directed by men of thorough training and large experience, who devote their entire time to instruction and with equipment adequate for thorough instruction in the ordinary subjects of the medical course, furnish a preparation which is a substantial basis for the clinical work.

The work of the last two years is done exclusively at the College in Omaha, where are afforded unusual clinical facilities, more than ample for all purposes of undergraduate medical instruction. The State Legislature has appropriated funds with which to purchase a site for a clinical campus in Omaha; this has been secured and plans have been drawn and work begun on a clinical teaching equipment which will be, when completed, excelled by that of no college in the country.

STANDING

The College of Medicine meets the requirements of the most exacting examining authorities. It is in the approved list of all state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. The class of 1906 was the first to complete its training under University auspices. All members of that class, and also of all subsequent classes, have passed successfully all state board licensing examinations in which they have taken part.

Official notice has been received from the Secretary of the Examining Board in England that the Royal Colleges of Physicians and Surgeons have added the University of Nebraska to the short list of American institutions whose Graduates in Medicine may, on production of the required certificate of study, be admitted to the Final Examination in Medicine, Surgery and Midwifery, which places them on the same basis as graduates of the best English colleges. This recognition is a source of great gratifica-

tion to all interested in the College, and is of especial value to those students who are planning to take up work in foreign lands as medical missionaries.

METHODS OF INSTRUCTION

The course of study in medicine covers four years, there being in each of the first three years, thirty-two weeks of class work and in the senior year thirty, exclusive of all registration and examination days. During the first two years those strictly scientific branches are pursued which form the basis for the clinical studies of the last two. The objective method is followed, not only in the laboratories, but also in the clinical instruction, where constant reference is made to the facts required from laboratory work in the fundamental branches. Emphasis is in all cases placed on individual effort on the part of the student, of whom is required work as independent as is consistent with the further demand that he thoroughly cover the field.

The course embraces also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in laboratory and clinic. Frequent quizzes and examinations test the student's progress in each line of work.

The College affords unique opportunities for the most thorough instruction. The moderate size of the classes insures close contact between student and instructor, which is of the utmost importance in securing an exact knowledge of the fundamental branches. The sectional method of clinical work also brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroughly and at short range, and allows him to secure a very unusual amount of bedside instruction.

Six-year Combined Course. In addition to the four-year course leading to the degree of Doctor of Medicine, which now must be preceded by two years of college work, there is offered a combined collegiate and medical course of six years. By the use of the laboratory subjects of the first two years of the medical course as electives in his collegiate course, the student is enabled to receive, at the end of four years, the degree of Bachelor of Science, and at the end of six years that of Doctor of Medicine. This can only be accomplished by taking the course precisely as outlined in later pages of this Announcement. A student registered for the degree of Bachelor of Arts may arrange a similar course by the same use of his electives, but he will probably find it necessary to spend seven years to

meet the requirements for the Bachelor of Arts degree, and to secure, at the same time, the scientific training required for the degree in medicine.

ADMISSION TO THE COLLEGE OF MEDICINE

Advanced Entrance Requirements. January 1, 1908, the standard of entrance to the College of Medicine was raised to include one year of college work, and the results were so satisfactory to both faculty and students that during the past year this standard was further advanced so as to include two full college years. This means that the course of study includes at least six years of work above the four-year high-school course. The first two years are practically those of the six-year combined course, being devoted mainly to German, chemistry, physics, and animal biology. The difference between the two courses is in the fact that all of the work of the two preparatory years not being prescribed, there is latitude of election which will be of advantage to A. B. students and those who come from other colleges and universities and who do not seek a B. Sc. degree here. Two points of some importance should be noted in connection with this extended course. The initial years, if taken at the University of Nebraska, are not subject to the fees of the professional course, but demand only the moderate laboratory fees required of the general scientific student. Secondly, the work may be taken at any college of standard entrance requirements, provided the work includes at least one year of German, chemistry, physics, and animal biology. There are many colleges which cover the introductory work noted in an eminently satisfactory manner, and in such cases the student with proper credentials may enter directly into the first year of professional work in medicine, i. e., of the four-year course.

Entrance Credits. For admission to the freshman class of the four-year course in the College of Medicine, a candidate must present evidence of having completed (1) a standard four-year high-school course entitling him to 30 entrance credits or "credit points"* equivalent to those laid down as the minimum requirements of the Association of American Medical Colleges, and (2) two years of college work in this University or some other reputable college or university. For admission to the six-year combined

*An entrance credit or "credit point" is given for the work of a class holding five recitations a week, of from 40 to 50 minutes each, for at least 18 weeks. In laboratory courses a credit or "credit point" is given for three recitations and two double periods of laboratory work (under the supervision of an instructor) each week for at least 18 weeks.

course, the candidate must meet the entrance requirements for the College of Arts and Sciences and in addition present a year's credit in physics. Conditional admission to the preliminary work of the four-year course or the six-year combined course is permitted on a minimum of 24 high-school credits or "credit points"; but all such conditions must be removed before the student may be admitted to full sophomore standing. Women are admitted to the College of Medicine on the same terms as men.

Required Subjects (17 or 19 points). Of the 30 "credit points" required for admission to either the preliminary work of the four-year course or the six-year combined course, 17 or 19 points must be presented from the following subjects, the time element indicated with each being essential:

	4-year Course	6-year Combined Course
Algebra, (simultaneous quadratics and logarithms), 1½ years, 5 hours a week.....	3	3
English (rhetoric and literature), 2 years, 5 hours a week..	4	4
Geometry (plane), 1 year, 5 hours a week.....	2	2
History, (European), 1 year, 5 hours a week.....	2	2
Language (Latin two years at least), 3 years, 5 hours a week.. .. .		6*
Language (must be Latin), 2 years, 5 hours a week	4	
Physics (with laboratory work), 1 year, 5 hours a week.	2	(2)
	17	17 (19)

Optional Subjects (13 or 11 points). In addition to these required subjects, for which no substitutes will be accepted, applicants must present 13 or 11 points from the following optional entrance subjects:

Agriculture, ½ year, 5 hours a week.....	1
Geometry (solid), and trigonometry, 1 year, 5 hours a week (each one)	2
History, 1 or 2 years, 5 hours a week.....	2 to 4†
English (only if taken after the required English), 1 year, 5 hours a week	2†
‡Language (ancient, modern), (1 to 5 years to 4-year medicine), 1 to 4 years, 5 hours a week.. .. .	8

*The Committee on Accredited Schools may accept German or French to meet the required six points in the case of specially approved accredited schools.

†Two additional points are allowed to certain very strong schools named by the Accredited Schools Committee.

‡The maximum is 6 in any one language except Latin wherein 8 may be offered.

	4-year Course	6-year Combined Course
Botany or Zoology, 1 year, 5 hours a week, each		2
*Physical Science: Chemistry, 1 year, 5 hours a week . . .		2
Physics, 1 year, 5 hours a week.		2
Physical Geography, $\frac{1}{2}$ year, 5 hours a week.		1
Other subjects taught in an approved manner in an accredited secondary school (one point each)		6
Total optional points	13	13 (11)

Entrance from "Accredited" Schools. The University maintains a list of "accredited" high schools, academies and colleges whose graduates are admitted to any of the colleges or schools of the University without examination in those subjects in which their work is duly certified. A candidate for admission bringing credentials from a non-accredited school must be prepared to take such examinations as may be prescribed. A student desiring to ascertain in advance of the opening of the school year whether or not he may be admitted to the freshman class without examination should apply to the Registrar of the University or the Dean of the College of Medicine for blank credential slips; when these are properly filled out and returned, he will be informed at once whether or not his credentials are acceptable, and what will be required of him. In all cases the entrance credits are passed upon by the Registrar in frequent consultation with the Inspector of Accredited Schools. It is highly desirable that all candidates for admission submit their entrance credentials at least one month in advance. Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session. However, plans are made so that students who enter at the opening of the second semester may arrange a suitable program of work.

Advanced Standing. Advanced standing may be granted under the following conditions: (1) Applicants for advanced standing must offer admission credits equal to those required by this college. (2) In ac-

*While Chemistry is not among the required entrance points, students will find it of great advantage to have a year of high-school Chemistry for entrance.

cordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the M. D. degree to holders of a bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college. (3) Students of other medical colleges of equal standing and maintaining the same entrance and course requirements are, on presenting certificates of honorable dismissal, admitted to the class to which such credentials entitle them. Students from medical colleges of less standing and not maintaining the same entrance and course requirements are only admitted to the class into which the subject credit secured entitles them to enter, and are also required to make up all entrance deficiencies. (4) There will be no change in the practice heretofore observed concerning subject credit, the granting of which is at the discretion of the head of each department, subject to the meeting of such conditions or the passing of such examinations as he may with reason impose. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the head of any department has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the student of this College, and in case the work is not equal to such requirement the deficiency stands against the student as a "condition," till removed. In case subject credit is granted in excess of that previously done by students of the class into which the applicant enters, he is free to use the time thus gained in such extra work as he may elect. Thus students who come from high grade colleges and have completed a portion of the required work may be enabled to pursue studies for a master's degree or to go into advanced courses in any department in which they are prepared to work.

Adult Special Students. When circumstances are such as to allow it without detriment to the work of candidates for degrees, a student not seeking a degree may be admitted as an unclassified "adult special" student. A junior or a senior in the College of Arts and Sciences or the Teachers College may, with the consent of the department involved, take any of the courses offered in the College of Medicine by registering as an unclassified student in this College and paying the laboratory fees attached to the course or courses chosen and also a pro rata tuition fee; provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5.00 a semester.

Registration. The first five days of each semester—from 9 a. m. Tuesday to 5 p. m. Saturday—are allowed for registration. To promote

prompt registration, a fee of \$3.00 is charged any student who, unless excused by the Chancellor, seeks to register outside of these days. A like fee of \$3.00 is charged for re-registration when made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration. A student taking the college work required for entrance to the College of Medicine matriculates and registers in the College of Arts and Sciences until the necessary amount of college work is completed. A student taking the combined six-year course for the degrees of Bachelor of Science and Doctor of Medicine matriculates and registers only in the College of Arts and Sciences during the first two years of his work. He continues to register in the College of Arts and Sciences during the next two years, or until he receives his B. Sc. degree; but he must also matriculate and register in the College of Medicine at the beginning of the third year's work and must regularly thereafter register in the College of Medicine. If he is a candidate for the A. B. degree, he must begin to register also in the College of Medicine not later than the beginning of the fourth year of his course, as at least four years' registration in a college of medicine is required of all who receive the M. D. degree. No regular student is registered for less than twelve (12) hours nor more than eighteen (18) hours a semester without the Dean's permission. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the Dean. Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration. Any change in a student's residence must be immediately reported to the Registrar.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is granted only under the following conditions:

1. The candidate must be twenty-one years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission and must have paid all his fees.
4. He must have completed and have secured credit in all required subjects in the curriculum.
5. He must have pursued the study of medicine for at least four years and must have passed the necessary examinations and have received credit for at least four full years of instruction at medical colleges in good standing. The last year he must have taken in this institution.

Credit. In accordance with the Constitution of the Association of American Medical Colleges, each student is obliged to attend at least 80 per cent of the exercises in every annual course of study for which he seeks credit. No student is given credit on examination unless he attains a grade of at least 70 per cent, or its equivalent in any other marking system. And no student is graduated unless he has secured credit in all subjects of the required curriculum. By vote of the clinical faculty the passing grade for medical students in the third and fourth years of the course is 75 per cent, which is the grade required in licensing examinations of the Nebraska State Board of Health.

Absence or Withdrawal. The Dean of the College of Medicine is the adviser of all students in the College of Medicine. He has a consultation hour in the dean's room, Administration Hall 104, where students may call seeking advice touching their work. A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

FEEES AND EXPENSES

Fees. All fees and charges to students in Lincoln are payable in advance to the Secretary of the University; to students in Omaha, at the office of the College in the College building. No fees can be refunded to a student after the beginning of the fourth week from the date of his registration save for causes beyond the student's control. In the latter instances the refund can be made only upon written application to the Registrar, stating reasons, and presented at the time of withdrawal from a course or from the University. The schedule of fees in the College of Medicine is as follows:

Matriculation fee.	\$5
Diploma fee.	.5
Diploma fee, in absentia, additional.	10
Diploma, "cum laude," fee.	10

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

FIRST-YEAR AND ⁷SECOND-YEAR FEES—LINCOLN

Tuition, first semester (or any single semester).....	\$25
Tuition, second semester.....	20
Incidental, each semester (6-year combined course).....	3

LABORATORY FEES

Anatomy 1.....	\$15
Anatomy 2.....	10
Anatomy 3.....	5
Anatomy 8.....	3
Anatomy 11, 12.....	graduated
Bacteriology 1.....	8
Botany 1, 2.....	each 2
Chemistry 41.....	2
Chemistry 1, 2, 34.....	each 5
Chemistry D, 1 and 2 combined, 3.....	each 10
Clinical Diagnosis (Pathology 4) ..	4
Histology and Embryology 1 and 11.....	6
Histology 11a.....	3
Histology 4.....	5
Histology (Organology), 12.....	4
Histology 13, each credit hour.....	2
Histology 1a, 15.....	2
Materia Medica (Pharmacology 4).....	2
Pathology 2.....	10
Pharmacy (Pharmacology 1) ..	5
Pharmacodynamics (Pharmacology 2) ..	10
Physical Diagnosis (Physiology 14) ..	2
Physics 1, 2, 3, 4.....	each 4
Physiology 12.....	9
Physiology 13.....	6
Zoology 1, 2, 7, 15.....	each 2
Zoology 6.....	3
Zoology A.....	4

JUNIOR YEAR—OMAHA

Fees for all required exercises, including all laboratory and clinic fees, \$80	
Breakage deposit.....	10
Examination fee.....	10

SENIOR YEAR—OMAHA

Fees for all required exercises, including laboratory and clinic fees. . \$80	
Breakage deposit.....	10
Examination fee.....	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged the class pro rata.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha clinical work of the University of Nebraska College of Medicine may do so by paying a fee of \$10.

Expenses. In Omaha board and lodging cost from \$3 to \$5 a week. By means of clubs students materially reduce this expense. The Young Men's Christian Association issues to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the association's building—baths, gymnasium, parlors, lectures and concerts. Elegantly equipped rooms may be rented at reasonable prices. The location relative to the College makes the Young Men's Christian Association building a convenient home for the students. In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GRADUATE WORK IN MEDICINE

To provide a still more thorough training in medicine the College of Medicine offers an additional optional year of graduate study, consisting of (1) research work in any one of its departments; or (2) work as an interne in some approved hospital; or (3) advanced study in some appropriate field at a research laboratory or other institution of higher learning, together with the preparation of a thesis. This thesis must embody the results of independent observation and investigation in connection with any one of the types of work mentioned above and the subject must be approved at the beginning of the work by the student's advisory committee. This thesis shall be presented to the advisory committee at least one month prior to the date of taking of the degree and shall be by them placed where members of the faculty may freely examine it.

On completion of the required work and the presentation of a satisfactory thesis, the student may receive the degree of Doctor of Medicine *cum*

laude, provided he is favorably recommended to the faculty by his advisory committee and the faculty by unanimous vote approves the recommendation.

A student desiring to become a candidate for this fifth year's work should indicate his purpose in writing with the Dean on or before Commencement Day of the year preceding such advanced study. His advisory committee, the chairman of which must be a member of the faculty of this college and either the head of the department in which he is to work or the chief of staff of the hospital in which he is to serve as interne, will be appointed at once and take charge of his work.

Normally, hospital internships are taken in some one of the affiliated hospitals; all other cases must be the subject of specific request and approval by the faculty on recommendation of the Deans. Approval must also be secured from any non-affiliated hospital elected, and the chief of its staff must express in writing his willingness to accept the interne and to carry out the conditions laid down by the committee for his work.

The candidate must also secure permission in order to undertake work at a research laboratory or other institution, and must fulfill all conditions which his committee may impose.

REVIEW COURSE FOR PRACTITIONERS

Owing to the recent marvelous advances which have been made by the application of various sciences to the art of medicine, it has become necessary that the physician be familiar with the bearing of those facts upon the diagnosis and treatment of disease which are of very recent introduction and which in many cases have not yet found their way into the standard text-books on the subjects. Furthermore the constantly increasing number of such applications makes it probable that for many years to come this necessity will become constantly more accentuated. In view of this fact the College of Medicine believes that it is performing a part of its duty to the profession by placing before its members opportunities whereby those who have been in practice several years may become familiar with these advances. Accordingly, there was established three years ago the Practitioner's Review Course, consisting of general lectures and laboratory demonstrations, and special laboratory work in certain lines for those who wish a more specialized course.

In order that the course may to a certain extent have the advantage of intensiveness, the work last year was restricted to the consideration of a single system—the digestive system. A review of the anatomy, gross and microscopic, was followed by work in physiology, pharmacology, bacteriology and pathology, and this by operative work on dogs, which led up to clinical demonstrations in hospitals, both at Lincoln and Omaha. This course has been held during the last week of April or the first in May.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found in connection with the announcement of courses given by different departments.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, is a brick and stone structure, having four stories above the basement. On the first floor are the faculty room, the students' lobby, and the free dispensary. The latter comprises a waiting room for patients, a pharmacy, a dispensary laboratory, and numerous departmental clinic rooms for the systematic examination and treatment of patients. On the second floor are the offices, the amphitheater with a seating capacity for 250, the library, the reading room, and a commodious coat room. On the third floor are the museum, chemical laboratory thirty by fifty feet in size, private rooms for the professors of surgical anatomy, clinical chemistry, and pathologic anatomy, and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in these branches. The fourth floor is wholly given up to microscopic work. The laboratories, occupying a space one hundred by thirty-five feet, have light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit. The clinical and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by means of projection apparatus. These laboratories are provided with a lantern, a projection microscope and a complete Zeiss epidiascope, as well as a collection of slides, models and charts. Clinical laboratory instructors are included in the faculty, the clinical laboratories are thoroughly equipped, and much time is devoted to the study of clinical pathology in the laboratories in connection with the lectures and clinics. The museum has been enlarged and affords a large variety of well-selected material for demonstration.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to nine hospitals, in five of which the College has exclusive clinical privileges.

The College Dispensary. The College Dispensary on the first floor of the College building is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space assigned includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose, throat, skin and genito-urinary diseases. Members of the clinical faculty and their assistants are in daily attendance from twelve to two o'clock. Students in the senior class are divided in rotation among the different departments, whereby they are put in close touch with the histories, examinations, diagnoses, and treatment of cases. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Selected cases are demonstrated and discussed with especial care before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the instructor in charge. Students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy in connection with the dispensary, where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs. This pharmacy is under the direction of a registered pharmacist.

The Nebraska Methodist Hospital. In the Nebraska Methodist Hospital, which received about 1,450 patients last year, this college has exclusive clinical privileges. A new, commodious, fire-proof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, has been recently erected. It contains an operating pavilion and amphitheater seating about 100 students and is furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, and ophthalmology and otology. From the graduating class three internes are selected for a year's service each, with provisional opportunities for extended work.

The Immanuel Hospital. In the Immanuel Hospital this College also has exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an unobstructed view of the operator or instructor. An addition to the building is completed which increases its capacity to one hundred and twenty beds. Weekly clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class two resident physicians are appointed soon after Commencement to serve

one year. One or more students are given positions as assistants in their senior year.

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. There has lately been added a pavilion for the modern treatment of cases of consumption. This institution is in reality the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this college have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians are appointed on competitive examination each spring for a term of one year. Always one and frequently both of these have been graduates of this college.

The Clarkson Memorial Hospital, a new modern building, located at Twenty-first and Howard streets, within an easy walk of the College, was occupied in the spring of 1909. It is a thoroughly modern hospital building, and has 70 beds and two operating rooms. The hospital affords opportunities for two internships. Clinics in therapeutics, medicine, ophthalmology and otology, and gynecology are held weekly in the amphitheater.

The Wise Memorial Hospital. This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick and iron construction; it is modern in every respect. There are sixty-one beds and two well equipped operating rooms. Clinics in medicine, otology, and rhinology are held weekly in the amphitheaters. One interne is chosen from the graduating class each year for a service of one year. The hospital is located within walking distance of the College.

The Swedish Mission Hospital, located at Twenty-fourth and Pratt streets, has a capacity of 45 beds. The operating room is provided with an amphitheater for students. Surgical clinics are held here by appointment by Professor Stokes. Two internes are appointed each year from the graduating class.

In the **Child-Saving Institute** this College has exclusive clinical privileges. The Institute will soon occupy a new building especially constructed for its use, on Forty-second and Harney streets, directly across the street from the new clinical campus. The new building embodies all the latest improvements; it contains operating and sterilizing rooms and isolating wards. The opportunities here for the study of the dressing, care and feeding of infants, and of the diagnosis, progress and treatment of the different gastro-intestinal and contagious diseases of childhood are unexcelled.

Occasional outbreaks of infectious diseases in the constantly-changing inmates afford unusual opportunities for illustration of the subjects taught in the course of pediatrics.

The **Tinley Rescue Home** is under the direct supervision of Professors Somers and Pollard, and furnishes an abundance of material for clinical instruction. In addition to the normal cases, most of the obstetrical operations are performed in the presence of the members of the graduating class.

The **Visiting Nurses' Association**. The search of the Visiting Nurses' Association for deserving, unattended sick furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class under the direction of the obstetrical staff of the College.

HOSPITAL APPOINTMENTS

The Glenwood Institute for the Feeble Minded affords a salaried physician as a house physician for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed by competitive examination each year. Two internes are chosen by competitive examinations given by the medical staff of the Omaha General Hospital. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year; three at the Nebraska Methodist Hospital; two at the Immanuel Hospital; two at the Clarkson Memorial Hospital; one at the Wise Memorial Hospital; two at the Swedish Mission Hospital.

Several graduates of the College secure positions each year in other hospitals in Nebraska and adjacent states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions. The proportionate number of these positions open to the college will thus be seen to be far beyond that open in the majority of medical colleges, and under present conditions all capable students desiring hospital training may obtain the inestimable advantage of a year's hospital service before entering upon private practice.

Two graduates may also secure for six months of each year positions as assistant police surgeons. This is a valuable experience, as from fifty to one hundred emergency cases are treated by these men each month. In addition to regular internships for the graduating class opportunities are afforded several students of the senior class to serve in the various hospitals affiliated with the College of Medicine. These positions do not conflict with the scheduled work of the College, and supply valuable experience to the students so engaged.

PUBLIC ADDRESSES

To give medical students knowledge at first hand of important movements in medicine and allied sciences special convocations are held several

times each year in Lincoln and Omaha on such dates as it is possible to secure speakers from abroad. Members of the medical faculty in Lincoln also give occasional addresses of general interest on medical subjects at the regular University convocations. In furtherance of the same idea the College of Medicine has aided in the formation within the Nebraska State Teachers' Association of an auxiliary section on "Popular Medical Education," the object being to discuss medical subjects of practical importance in our public schools.

LIBRARIES, PUBLICATIONS AND SOCIETIES

In Omaha the College of Medicine library contains about 1,000 volumes, including an up-to-date collection of text-books covering the entire range of medical science. This collection does not obviate the necessity of students having their own text-books, but offers greater opportunities for investigation of subjects in which they are specially interested. Periodical literature is also on file. The Omaha Public Library contains 60,000 volumes, including a good medical library, the use of which is free to students in the College.

In Lincoln the following libraries, aggregating 224,174 volumes, are accessible to students: The University Library of 95,000 volumes, particularly strong in those scientific lines wherein lies the first two year's work of the student of medicine, and including special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine, and also the library of the Nebraska State Medical Society of 1,300 volumes. The Lincoln City Library, of 28,574 volumes, has an alcove devoted exclusively to medical literature. The State Library of 65,000 volumes at the Capitol, includes valuable medical works in certain lines. The Nebraska State Historical Society Library of 34,300 volumes, contains useful series of public documents, such as reports of state boards of health and of state hospitals and other institutions.

The Bulletin. The College of Medicine publishes an annual Bulletin, of the nature of a year-book and offered in exchange for other medical and college publications.

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. In order that the College may keep in touch with its Alumni they are requested to notify the Registrar and the secretary of the association when they change their address. The past fall the experiment was tried of arranging a clinical alumni review and reunion week. The program

occupied fully the days from Monday, October 31, to Saturday, November 5, the forenoons and afternoons being spent in clinics, the evenings in social pleasures. Formal lectures were given as follows:

Col. J. M. Banister, M. D., U. S. A.: "The Work of the Army Medical Service."

Dr. R. A. Lyman: "The General Trend in Modern Therapeutics:"

Prof. A. E. Guenther: "Hormones as Secretary Stimuli."

Dr. H. H. Waite: "The Office Laboratory."

An automobile excursion was made on Friday to the Glenwood (Ia.) Institute for the Feeble Minded. The attendance was large and the week a success in every way. It is planned to repeat it the coming fall, when with the experience gained, it should be a still greater success and a source of great profit to all those who find it possible to attend.

The Pathological Society is a club composed of members of the faculty in Lincoln which meets weekly for reviews of recent literature, reports or investigations carried on by its members, and the discussion of current scientific problems of medical interest.

The Medical Society of the University of Nebraska, at Lincoln, is a student organization to membership in which any student in the University at Lincoln looking forward to medicine is eligible. Meetings are held every two weeks, some of which are addressed by members of the faculty or others invited to do so, some of which are purely social.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is required of all students in the college years preparatory to the work in medicine, and in the first two years of the six-year combined course.

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

ORDER OF SUBJECTS IN THE SIX-YEAR COMBINED ACADEMIC AND MEDICAL COURSE

All students are urged to take this course, if possible, since it affords the best possible training with the greatest economy of time, and furthermore gives the student the advantage of possessing the bachelor's degree.

FIRST YEAR	1st Semester Hours	2d Semester Hours
Physics 1, 2.....	3	3
Botany 1, 2.....	3	3
General Zoology (Zoology 1, 2)	3	3
Rhetoric 1, 2.....	2	2
Modern Language (German).	5	5
Military Drill.....	1	1
	—	—
	16	16
SECOND YEAR		
Physics 3, 4.....	2	2
Inorganic Chemistry, Volumetric Analysis (Chemistry 1, 2, 8).....	4	2
Medical Zoology (Zoology 15).....	2	
Vertebrate Anatomy (Zoology 6).		4
Osteology (Zoology 7)	2	
Modern Language (German or French).....	5	5
Psychology (Philosophy 3).....		3
History of Medicine	2	
Military Drill.....	1	1
	—	—
	18	17
THIRD YEAR		
General and Practical Anatomy (Anatomy 1, 2).....	6	5
General Physiology (Physiology 12)		6
Embryology and Histology 1, 11, 12.....	4	3
Physical, Organic and Physiological Chemistry (Chemistry 3, 25, 34).....	7	4
	—	—
	17	18
FOURTH YEAR		
Regional Anatomy (Anatomy 3).....	2	
Neurology (Anatomy 8, Histology 15)	4	

	1st Semester Hours	2d Semester Hours
Advanced Physiology (Physiology 13)	4	
Pharmacodynamics (Pharmacology 2)		5
Bacteriology 1.... ..	4	
Pathology 2.....		6
Clinical Diagnosis (Pathology 4).....		2
Toxicology (Chemistry 41).....	2	
Pharmacy (Pharmacology).....	1	
Materia Medica (Pharmacology 4).....		2
Physical Diagnosis (Physiology 14).....		2
	—	—
	17	17

FIFTH AND SIXTH YEARS

The work of the last two years is identical with that of the Junior and Senior years of the Four-year Course below:

ORDER OF SUBJECTS IN THE FOUR-YEAR MEDICAL COURSE

FRESHMAN YEAR	1st Semester Hours	2d Semester Hours
General and Practical Anatomy (Anatomy 1, 2).....	6	5
Organic and Physiological Chemistry (Chemistry 3, 34)	5	4
General Physiology (Physiology 12).....		6
Embryology and Histology 1, 11, 12.....	4	3
Osteology*.....	1	
	—	—
	16	18
SOPHOMORE YEAR		
Regional Anatomy (Anatomy 3).....	2	
Neurology (Anatomy 8, Histology 15)	4	
Advanced Physiology (Physiology 13)	4	
Toxicology (Chemistry 41).....	2	
Pharmacodynamics (Pharmacology 2).....		5
Bacteriology 1.... ..	4	
Pathology 2.....		6
Clinical Diagnosis (Pathology 4).....		2
Pharmacy (Pharmacology 1).....	1	
Materia Medica (Pharmacology 4).....		2
Physical Diagnosis (Physiology 14).....		2
	—	—
	17	17

*For those who have not had the subject in the required college years.

	JUNIOR YEAR	1st Semester Hours	2d Semester Hours
Special Pathology..		1	1
Therapeutics.		2	2
Sanitation and State Medicine.			1
Surgical Anatomy.		1	
Physical Diagnosis		2	2
Medicine		4	4
Surgery.		4	4
Obstetrics.		2	2
Prescription-Writing.		1	
Pediatrics.. . . .		1	
Ophthalmology and Otology.			1
		—	—
		18	17
	SENIOR YEAR		
Clinical Laboratory.		2	2
Nose and Throat.		1	1
Gynecology		2	2
Surgery Conference and Practice.		3	3
Obstetrics.		2	2
Mental and Nervous Diseases.		1	1
Dermatology.. . . .		1	1
Therapeutics.		1	1
Jurisprudence			1
Life Insurance Examination.		1	
Ophthalmology and Otology.		1	1
Medicine		3	3
		—	—
		18	18

NOTE—Dispensary and sectional clinics in addition throughout the year.

HOURS DEVOTED TO EACH SUBJECT

(Sixteen weeks of actual class instruction in each semester except the last of the senior year, which has fourteen.)

	First Year		Sec'd Year		Third Year				Fourth Year			Entire Course				Total
	Lect. and Recit.	Laboratory	Lect. and Recit.	Laboratory	Lect. and Recit.	Laboratory	Clinics	Dispensary	Lect. and Recit.	Laboratory	Clinics	Lect. and Recit.	Laboratory	Clinics	Dispensary	
ANATOMY:																
Gross and Practical	112	288	64	32								112	352			928
Nervous System			16	32								16	32			
Applied and Surgical			32		32	32						64	32			
Histology	56	128	16	32								72	160			
Embryology	24	64										24	64			
CHEMISTRY:																
Organic	80	128										80	128			480
Physiological	64	112										64	112			
Toxicology			48	48								48	48			
PHYSIOLOGY:																
Physical Diagnosis	64	128	48	48								112	176			336
			16	32								16	32			
PHARMACOLOGY:																
Pharmacy				48									48			272
Pharmacodynamics			64	96								64	96			
Materia Medica			32	32								32	32			
BACTERIOLOGY:																
General			64	128								64	128			192
PATHOLOGY:																
General			80	160								80	160			400
Clinical Diagnosis				32	32	64						32	96			
Surgical						32							32			
THERAPEUTICS:																
					96											126
					(Assignment to Autopsies)											
					(Drug-room Work)											
MEDICINE:																
Physical Diagnosis					32		32					32		32		542*
Internal Medicine					160		96		90	120	250		216			
Tropical Diseases									12		12					
			(Assignment of Sections to Laboratory, etc.)													
SURGERY:																
Fractures and Dislocations									16			16				578*
Principles					96							96				
Bandaging & Dressing					32							32				
Practice									30			30				
Conference									30			30				
Quizzes					64				30			94				
Clinics and Instruction in Anesthetics							160			120			280			
																(Assignment of Sections to Operative Surgery, Experimental Surgery, Dispensary, etc.)

HOURS DEVOTED TO EACH SUBJECT—Continued

	First Year		Sec'd Year		Third Year				Fourth Year			Entire Course				Total
	Lect. and Recit.	Laboratory	Lect. and Recit.	Laboratory	Lect. and Recit.	Laboratory	Clinics	Dispensary	Lect. and Recit.	Laboratory	Clinics	Lect. and Recit.	Laboratory	Clinics	Dispensary	
SANITATION AND HYGIENE					32							32				32
GYNECOLOGY									60	30	30	60	30	30		120*
OBSTETRICS					96				60			156				156*
DISEASES OF EYE AND EAR					(Assignment to Cases, Manipulations, etc.)											
DISEASES OF NOSE AND THROAT					(Assignment to Dispensary)				46		30	46		30		76*
DISEASES OF NOSE AND THROAT					(Assignment to Dispensary)				46		16	46		16		62*
MENTAL AND NERVOUS DISEASES					(Assignment to Dispensary)				30		30	30		30		60*
PEDIATRICS					16		32		30		30	46		62		108*
DERMATOLOGY									30		16	30		16		46*
GENITO-URINARY DISEASES							32		30		60	30		92		122
Medical Jurisprudence									12			12				12
Drug-room and Dispensary							150								150	150
Total for each year. .	400	848	416	752	688	128	352	150	582	30	452	2086	1758	804	150	4798
	1248		1168		1318				1064			4798				
	1st yr.		2d yr.		3d yr.				4th yr.			Entire Course				

*The time assigned to these departments is really somewhat greater, since they share in the dispensary work; it is difficult, however, to estimate this increment exactly.

DIDACTIC AND LABORATORY INSTRUCTION*

ANATOMY

Professor Poynter, Adjunct Professor Walker, Dr. Wekesser, Dr. Hilton;
in Omaha, Associate Professor Stokes

This department aims to present the subject of human anatomy in a thoroughly scientific manner. The laboratory work is done under constant surveillance. The modeling of bones and drawing of them and of soft parts from the subject as exposed in dissection are also prescribed in the course. The student is required to take frequent individual quizzes upon the cadaver; to demonstrate all parts dissected to a demonstrator; to attend class quizzes two or three times a week; and to pass occasional review quizzes and an individual oral final examination. The lectures supplement the laboratory work, dealing with such facts from embryology, comparative vertebrate anatomy, etc., as will add breadth to the student's view of the field.

The work in anatomy is preceded by courses in general zoology and comparative vertebrate anatomy and is so arranged as to secure a logical development of the subject. In the first year of the course the ground covered is osteology, and the whole of practical anatomy (Anatomy 1, 2), except the nervous system. In the following year follows a review of the subject of descriptive anatomy, together with regional and topographical anatomy (Anatomy 3); the last leads up to surgical anatomy in the junior year (Anatomy 5, 6), and thus the student comes directly to the application of the subject in clinical work. The anatomy of the nervous system is taken up in the first semester of the second year (Anatomy 8), the study of the gross structure being correlated with a study of the histology (Histology 15).

The laboratory occupies rooms for lectures and quizzes, for osteology, for dissection, locker-room, preparation room, and store rooms. The dissecting room is divided into small rooms, one for each table, each under a large skylight and each provided with electric lights for dark days. To assist the student in his work, charts, models, anatomical preparations and carefully selected works of reference are close at hand for ready consultation.

1. General and Practical Anatomy—Introductory principles; general descriptive anatomy. Laboratory work; osteology; dissection of human

*For details in regard to courses in Language and Rhetoric, the reader is referred to the catalog of the College of Arts and Sciences.

arm, leg, and trunk, exclusive of the viscera; urino-genital organs. Four hours quiz. Ten hours laboratory with demonstrations. Six hours credit. First semester, freshman year.

Professor Poynter, Adjunct Professor Walker, and Demonstrators

2. **General and Practical Anatomy**—1 continued. Laboratory work; dissection of head, neck, and viscera. Three hours quiz. Eight hours laboratory. Five hours credit. Second semester, freshman year.

Professor Poynter, Adjunct Professor Walker, and Demonstrators

3. **Applied Anatomy**—Lectures and demonstrations on the cadaver; regional and topographical anatomy; relationships of anatomic details; practical application. Two hours attendance. Four hours laboratory. Two hours credit. First semester, sophomore year.

Professor Poynter

5. **Surgical Anatomy**—Lectures, illustrated by charts, models and museum specimens; practical work on the cadaver. Designed to apply anatomy to surgery. Two hours lecture. First semester, junior year.

Associate Professor Stokes

8. **Anatomy of the Nervous System**—Including a study of the organs of special sense. Two hours quiz. Four hours laboratory. Two hours credit. First half, first semester, sophomore year.

Professor Poynter

11. **Advanced Anatomy**—For those who have had Anatomy 1, 2 and 3, or a complete dissection of the body, and who desire to review the subject or to cover the anatomy of certain regions. Credit from two to five hours. Fee graduated. Elective. First semester.

Professor Poynter

12. **Advanced Anatomy**—Continuation of course 11. Second semester.

BACTERIOLOGY AND PATHOLOGY

Professor Waite, Doctor Pilsbury, Doctor Albin, Mr. Putnam

BACTERIOLOGY

This course aims to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth and the chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This

is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. Four hours credit, First semester, sophomore year.

Professor Waite, Mr. Putnam

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation and tumors are carefully studied. In conclusion the diseases of special organs are taken up according to their relative importance. In the laboratory the student is required to identify about one hundred and fifty specimens, and with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and to train him in accuracy of observation.

2. **Pathology**—Five hours lecture and quizzes. Ten hours laboratory. Six hours credit. Second semester, sophomore year.

Professor Waite, Mr. Putnam

4. **Clinical Diagnosis**—Normal and pathological blood, urine, gastric fluid, feces and sputum. Blood is studied carefully in relation to its value in diagnosis; laboratory methods of staining, counting and observation of all kinds of blood. Routine work in examining normal and pathologic gastric secretions, urine and feces. Four hours attendance. Two hours credit. Second semester, sophomore year.

Professor Waite, Doctor Albin

BOTANY

Head Professor Bessey, Assistant Professor Walker, Mr. Boostrom

Three laboratories—general, advanced, and physiological—on the main floor of Nebraska Hall, with the plant-house, provide working room for undergraduate students. Microscopes, paraffin ovens, culture apparatus, microtomes, and other apparatus are furnished as needed. The botanical store-room is stocked with chemicals, stains, glassware, and other supplies and apparatus.

1. **General Botany**—Introduction to structure of plants (cells, tissues, tissue system). General morphology and physiology of representative species. Three hours lecture. Six hours laboratory. Three hours credit. First semester. Head Professor Bessey, Assistant Professor Walker

2. **General Botany**—The general morphology and physiology of representative species, including flowering plants. Continuation of course 1 and with it furnishing a basis for plant materia medica. Second semester. Head Professor Bessey, Assistant Professor Walker

CHEMISTRY

Professor Dales, Adjunct Professor Fossler, Adjunct Professor Borrowman, Doctor Cutter, Mr. Frankforter, Mr. Wilson, Miss Graham

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

D. **The Non-Metallic Elements**—This course is designed to give a general view of chemistry, including the general principles, and taken by students entering without a high-school course. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. First semester. Professor Dales, Mr. Wilson, Miss Graham

1. **Qualitative Analysis**—Elementary course required of technical and scientific students. Prerequisite: A and B, D, or 2 entrance points. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Adjunct Professor Borrowman, Mr. Wilson, Miss Graham

2. **Qualitative Analysis**—1 continued. Introduction to quantitative analysis included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Adjunct Professor Borrowman, Mr. Wilson, Miss Graham

1 and 2 (combined course). **Qualitative Analysis**. Prerequisite: Same as course 1. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester. Professor Dales, Mr. Wilson, Miss Graham

8. **Volumetric Analysis**—A study of standard volumetric methods. One hour attendance. Five hours laboratory. Two hours credit. First or second semester. Mr. Frankforter

3. **Elementary Organic Chemistry**—The important classes of organic substances. Preparation in laboratory of typical compounds. Prerequisite: Courses 1 and 2. Five hours attendance. Eight hours laboratory. Five hours credit. First semester, freshman year.

Adjunct Professor Fossler

25. **Physical Chemistry**—Elementary course; the general principles of physical chemistry with applications to chemistry and to other sciences. Required in six-year course; elective in four-year course. May be taken with course 3. Two hours credit. First semester.

Professor Dales

34. **Physiological Chemistry**—The organic compounds and chemical processes of physiological importance, including a study of the chemistry of the urine. Useful in subsequent study of practical medicine. Prerequisite: Courses 1, 2 and 3. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. Second semester, freshman year.

Doctor Cutter

41. **Toxicology**—Poisons: Chemical nature, antidotes and methods for detection. Must be preceded by courses 1, 2, 3, and 34. Two hours lecture, one hour quiz. Three hours laboratory. Two hours credit. First semester, sophomore year.

Doctor Cutter

HISTOLOGY AND EMBRYOLOGY

Professor Willard, Mr. Wells

1. **Vertebrate Embryology**—A brief survey of vertebrate development with special reference to morphogenesis and histogenesis of organs. The course is arranged to correlate as closely as possible with those in histology and gross anatomy. The chick and pig are used chiefly for laboratory study, with illustrative material from other groups. The dissection of the foetal membranes and their relation to the uterus form a part of the laboratory study. Two hours lecture. One hour quiz and eight hours laboratory work for eight weeks. Three or four hours credit. First half of first semester, freshman year.

Professor Willard, Mr. Wells

1a. **Microscopical Technique**—This may be elected for one hour credit in connection with other laboratory courses in the department. It includes some systematic instruction and practice in the special methods of preparing material for microscopical examination. The more rapid practical methods of handling tissues will be emphasized for those who desire a technique which may be used with little laboratory equipment. Not less than four hours of laboratory work with personal instruction. One hour credit. Either semester.

Professor Willard

4. Comparative Vertebrate Anatomy—A course providing a broad comparative basis for any subsequent work in embryology, microscopical or gross anatomy. In a knowledge of their evolution the student has an explanation for the distinctive structure of the organs of the human body. The adaptation of structure to function, the significance of rudimentary organs and the parallel between evolution and individual development are fully demonstrated in laboratory study. A cartilaginous fish, an amphibian and a mammal, together with prepared dissections from other forms, represent the material used. Anatomical technique is demonstrated to a certain extent in the methods of preservation, injection of blood vessels and the mounting of permanent dissections. A general course in Zoology is a prerequisite. Three hours attendance. Eight hours laboratory. Four hours credit. Second semester.

Professor Willard and Assistant

11. General Vertebrate Histology—The finer structure of the vertebrate tissues with special reference to mammals and man. Tissue differentiation is logically presented by way of histogenesis and the functional significance of the structural changes emphasized. Two hours quiz. Eight hours laboratory for eight weeks. Two hours credit. Second half, first semester, freshman year.

Professor Willard, Mr. Wells

12. Histology of Organs—The microscopical study of mammalian organs with reference to their tissue constituents and their ultimate relation to blood and lymph supply. The effort is made to bridge the gap between microscopical and gross anatomy by the handling and dissection of fresh mammalian organs in connection with section study. Human material is used where its preservation can be controlled and normal structure insured. Instruction and practice in histological technique is provided for in supplementary courses which may be taken at same time. Two hours quiz. Four hours laboratory work. Three hours credit. Second semester, freshman year.

Professor Willard, Mr. Wells

13. Advanced Histology and Embryology—This is a course designed to give opportunity for a more comprehensive study of certain organs that cannot adequately be considered in the required courses. This applies particularly to the nervous and sense organs. Arranged for laboratory and quiz work. Equivalent to two or three hours credit. Elective. Prerequisite: Courses 1 and 2.

Professor Willard

15. Neurology—The microscopical anatomy of the human brain, based upon a study of sections prepared to show principally fiber tracts and end muscles. The course is closely correlated with Anatomy 8. Two hours quiz. Four hours laboratory. One hour credit. Second half, first semester, sophomore year.

Professor Willard

HISTORY OF MEDICINE

Assistant Professor Orr

1. **History of Medicine and Medical Literature**—Lecture and study course dealing with men who have contributed to medical knowledge from the earliest times to the present. Development of medicine in its different branches as an abstract department of knowledge. Reading and note-taking. Special study of library methods and medical literature, medical cataloging and bibliography. Two hours lecture. Two hours credit. First semester.

Assistant Professor Orr

HYGIENE, SANITATION AND STATE MEDICINE

Professor Towne

1. **Sanitation and State Medicine**—Relation of medical profession to public health. Theoretical consideration. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk. Sewage, disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. Second semester, junior year.

CLINICAL PATHOLOGY

Doctor Bliss, Doctor Manning

The course in general and special pathologic anatomy and histology is specially designed to apply to the principles of general pathology, to organic and systematic abnormal alterations, and to bring out the close relations of these alterations to clinical symptoms.

Instruction by the lecture-laboratory method, each exercise being a didactic quiz.

Each student is required to write a resume on some assigned subject and to present it before the class.

In addition to this all the students attend and assist at autopsies, make a study of the gross pathologic appearance and later see sections of the tissue.

The work in Clinical Pathology covers examinations of blood, feces, urine, gastric contents, sputum, and other secretions and excretions from the chemical and microscopical standpoints. Especial attention is paid to the study of normal and pathologic blood, in fresh and stained conditions.

1. **Pathologic Anatomy**—Lectures, demonstrations and quizzes in special pathology, post mortem technique and gross pathology. Two hours. First semester, junior year.

2. **Pathologic Anatomy**—1 continued. Second semester.

3. **Pathologic Anatomy**—Conferences on current problems of general and special pathology for half the class. Two hours. Second semester, junior year.

4. **Clinical Diagnosis**—First semester, junior year, two hours lecture and demonstrations. Some work outside of regular hours is also required.

5. **Clinical Diagnosis**—Members of the senior class examine specimens, obtained from clinical cases, in the laboratory under the supervision of the professor in charge and report to the professor holding the clinic. First semester, senior year.

6. **Clinical Diagnosis**—5 continued. Second semester.

PHARMACOLOGY

Professor Lyman, Adjunct Professor Stevens, Doctor Rowe,
Mr. Perusse, Miss Day

1. **Pharmacy**—A laboratory course intended to familiarize the student with the fundamental processes in pharmacy, including the manufacturing, compounding, and dispensing of official preparations. Three hours quiz and laboratory. One hour credit. First semester, sophomore year.

Mr. Perusse, Miss Day

2. **Pharmacodynamics**—An experimental study of the physiological action of the drugs of therapeutic value. Two hours quiz. Six hours laboratory. Five hours credit. Second semester.

Professor Lyman, Miss Day

4. **Materia Medica**—A didactic and laboratory study of the origin, natural history, preparations, and methods of using individual drugs. The elements of prescription-writing and the use of the United States Pharmacopœia and the National Formulary are taught. Two hours attendance. Two hours laboratory. Two hours credit. Second semester.

Adjunct Professor Stevens, Doctor Rowe

PHYSICS

Professor Skinner, Professor Moore, Professor Almy, Mr. —————

The department of physics occupies a building erected especially for the department, conveniently arranged, with all needed facilities, and well supplied with apparatus.

1. **General and Experimental Physics**—Mechanics of solids and fluids. Two hours lecture with illustrative experiments. Solution of problems. Four hours laboratory. Three hours credit, but may, if necessary, and with the consent of the Dean and head of the department, be elected as a two-hour course, by omitting certain problem work. First semester.

Professor Almy, Mr. —————, Mr. Spencer

2. **General and Experimental Physics**—Heat and sound. As in 1. Second semester.

3. **General and Experimental Physics**—Electricity. Two hours lecture with illustrative experiments. Four hours laboratory. Two hours credit. First semester.

Professor Skinner, Professor Moore, Mr. Spencer

4. **General and Experimental Physics**—Light. As in 3. Second semester.

PHYSIOLOGY

Professor Guenther, Doctor Welch, Mr. Johnson

A consideration of the facts and theories of vital phenomena, presented with special reference to their application in medicine.

12. **Advanced Physiology**—Combined lecture, demonstration, and laboratory course. Four hours quiz. Eight hours laboratory. Six hours credit. Second semester, freshman year. Professor Guenther

13. **Advanced Physiology**—12 continued. Three hours quiz. Three hours laboratory. Four hours credit. First semester, sophomore year.

Professor Guenther

14. **Physical Diagnosis**—General principles of inspection, palpation, percussion and auscultation. Other physical methods used in the examination of abnormal conditions—determination of blood pressures, registration of arterial and jugular pulse, blood counts, the reactions of degeneration to electrical currents, etc. Physical signs in health and in disease with their clinical demonstration, learned by direct personal examination. One hour lecture and two hours recitation and laboratory. Second semester, sophomore year. Doctor Welch

PSYCHOLOGY

Head Professor Wolfe

3. **Elementary Psychology**—A brief course in general psychology for students wishing a general knowledge of this field. Not open to first year students. Three hours attendance. Two hours laboratory, Three hours credit. Second semester. Head Professor Wolfe

THERAPEUTICS

Doctor Goetz, Doctor Jefferson

1. **Therapeutics**—Discussion of all drugs which under the test of modern investigation have been found useful in the treatment of disease. Application of the scientific data obtained through pharmacodynamics. Questions of treatment considered as matters of direct argument from physi-

ology and pathology rather than as mere memory work. Mechanical, physical and hygienic treatment discussed. Immunity and serum therapy. Personal quizzing; prescription writing. One hour lecture or quiz. First semester, junior year. Doctor Jefferson

2. **Therapeutics**—1 continued. Second semester, junior year.

3. **Clinical Therapeutics**—Practical course. Necessity of definite plans of treatment based upon logical reasoning shown in the more prominent diseases. Embraces the direct application of all forms of therapeutic aid. Lectures, quizzes and clinics. In clinics special attention paid to analyzing cases for therapeutic indications. One hour a week at college, one hour a week at hospital. First semester, junior year. Doctor Goetz

4. **Clinical Therapeutics**—5 continued. Second semester, junior year.

5. **Seminar in Therapeutics**—Arranged at opening of school year. Each student makes an investigation and reports upon some of the modern specialized forms of therapeutics, such as the Naueim treatment, the Carlsbad treatment, the Finsen treatment. Careful investigation of the topic with discussion by the class and criticism by the instructor. Senior year. By appointment. Doctor Goetz

ZOOLOGY

Head Professor Wolcott, Professor Powers, Associate Professor Barker, Mr. Medlar, and Assistants

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thoma microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The department library adjacent and freely accessible contains 2,000 works on animal morphology and physiology. A series of specimens from the Naples Zoological Station, one of injected tissues by Thiersch, and embryological models by Ziegler, Dahlgren, and others, is included in the illustrative material.

1. **General Zoology**—For beginners and those wishing a general insight into methods and principles of the science. The lectures cover the general principles of morphology, physiology, development, distribution, classification and evolution of animals; laboratory work, an intensive study of types drawn from the Protozoa and simpler invertebrates, together with subsidiary cytological and embryological material. Three hours attendance. Four hours laboratory. Three hours credit. By proportionate increase in laboratory and in assigned reading, five hours credit. First semester. Professor Powers and Assistants

2. **General Zoology**—1 continued. Second semester.

A. **General Zoology**—For beginners and those who desire to complete a year's work in general zoology in one semester. This course covers the

same field as courses 1 and 2. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester.

Associate Professor Barker, Mr. Medlar

7. Comparative Osteology of the Vertebrates—A study in morphology, with the skeleton as a basis. The lectures are general and comparative; the laboratory work involves a detailed study of the human skeleton. Two hours attendance. Four hours laboratory. Two hours credit. Should be preceded by Courses 1 and 2 or A.

Head Professor Wolcott

15. Medical Zoology—Lectures on morphology, taxonomy and economic relations of the groups Protozoa, Platyhelminthes, Nemathelminthes and Arthropoda and their role in the production and transmission of disease. The laboratory work comprises gross dissection and microscopical study and serves as an introduction to microscopical technique. Intended especially for the medical student. Three hours attendance. Four hours laboratory. Two hours credit. First semester. Prerequisites: Courses 1 and 2.

Associate Professor Barker

17. Animal Parasites—Taxonomy, morphology, biology and economic relationships of animal parasites. Lectures, laboratory and field work. The handling of a simple assigned problem. Two hours attendance. Four to twelve hours laboratory. May be elected as a two- to five-hour course. First semester. Open to students who have had zoology 1, 2, and 3, or their equivalent. Offered to medical students as an elective.

Associate Professor Barker

18. Animal Parasites—Course 17 continued, but may be elected independently. Second semester.

Associate Professor Barker

CLINICAL INSTRUCTION

INTERNAL MEDICINE

Professor Bridges, Professor Milroy, Doctor Truelsen, Doctor Peterson,
Doctor Goetz, Doctor Bliss. By invitation, Col. J. M. Banister,
M. D., U. S. A.

1. **Physical Diagnosis**—General principles. Demonstration of topography of head, chest, and abdomen. Physical signs in health learned by direct personal examination. Lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year.

Doctor Truelsen

2. **Physical Diagnosis**—1 continued. Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Second semester, junior year. Three hours. Doctor Truelsen

3. **Internal Medicine**—General diseases, including infections and disease of stomach and intestines, lungs and kidneys. All diseases pertaining to internal medicine; regular recitations held thereon afford theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease. In clinic in College building the cases are selected from outdoor dispensary, and usually represent seasonable diseases of the ambulatory type. First semester, junior year. (a) One hour lecture. Doctor Bliss. (b) Four hours recitation. Doctors Peterson and Goetz. (c) One hour clinic. Doctor Bliss. Two hours clinic, Douglas County Hospital or Immanuel Hospital. Professor Milroy, Doctor Ludington, Doctor Truelsen.

4. **Internal Medicine**—3 continued. Second semester.

5. **Internal Medicine**—Includes subjects not studied in junior year. Elucidation of cases seen in hospital clinics, and of cases in private practice, illustrative of the subjects under consideration. Two hours weekly in conference. Members of senior class in rotation are assigned cases for examination and study in the dispensary clinic or at one of the affiliated hospitals, and present a written report thereon before the class and professor. A full discussion of the case follows; etiology, pathology, symptoms, diagnosis, prognosis, and treatment are discussed. One clinic each week in College building, on cases selected from the large amount of material furnished by the dispensary. Two hours weekly at the Douglas County Hospital or the Immanuel Hospital; two hours weekly at the Methodist Hospital. Careful direction here given to elaboration of clinical histories and to physical examination of chest and abdomen. Sputum, urine, and blood of patients examined by sections of the class in the college laboratory under direction of professor of pathology and reports made thereon. First se-

mester, senior year. (a) One hour lecture. Doctor Ludington. Two hours conference. Professors Bridges and Milroy. (b) Two hours clinics in the College. Doctors Truelsen and Bliss. (c) Five hours hospital clinics. Professors Milroy, Bridges, Doctor Ludington, Doctor Truelsen, Doctor Goetz.

6. **Internal Medicine**—5 continued. Second semester.

9. **Tropical Medicine**—Lectures on the distribution, etiology, diagnosis, and treatment of such tropical diseases as are of practical importance to American physicians in view of our increasing commercial intercourse with tropical countries by reason of our possessions in the West Indies, in Panama Canal Zone, and in the Islands of the Pacific. The endemology and epidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control, and suppression of the same. One hour lecture each week. Second semester, senior year. Doctor Banister

11. **Life Insurance Examinations**—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technique in examining applicants for life insurance. First semester, senior year. Doctor Cloyd

SURGERY

Professor Jonas, Professor Davis, Associate Professor Stokes, Doctor Hunt, Doctor Hull, Doctor Morison, Doctor Hollister, Doctor Kennedy, Doctor Orr

1. **Principles of Surgery**—Principles of surgery; full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Subjects assigned for recitation covering lectures on principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. At the College Dispensary cases are presented for diagnosis, operation and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. Clinics at Douglas County and Immanuel hospitals; operations for all manner of surgical diseases. Practical use of anesthetics, both local and general, considered at these clinics. First semester, junior year. (a) Two hours lecture. Professor Davis. (b) Four hours recitation. Doctors Hull, Hollister and Kennedy. (c) Two hours dispensary clinic. One hour hospital clinic. Professors Jonas and Davis, Doctors Hull, Morison and Hollister.

2. **Principles of Surgery**—1 continued. Second semester.

3. **Bandaging**—Uses and application of bandaging, plaster of Paris

(including its preparation) and other surgical dressings. Practical work under the direction of the instructor. One hour weekly. First semester, junior year. Doctor Hollister

4. **Experimental Surgery**—Intended to familiarize student with principles of surgical technique and asepsis by actual operations performed on animals, and done with the same care as on the human body. Optional for juniors, second semester. Three hours clinic.

Associate Professor Stokes

5. **Practice of Surgery**—Covers part of ground gone over in recitations of junior year. References to observations in hospital clinics frequently recalled and elaborated to fix essential points in diagnosis and treatment. Subjects of hospital clinics brought up for conference in the class-room, when cases are more thoroughly discussed than the time allotted in operative work permits. Members of the class in rotation assigned cases for examination, or illustrative cases cited upon which they are required to make reports on diagnosis, pathology, and treatment. Reports critically discussed in conference. Two hours general clinic at the College Dispensary, principally on minor surgery, including examination, diagnosis, treatment and minor operations. Two hours at Nebraska Methodist Hospital in general and major surgery, at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated and at which there are regular operations on all regions of the body. Two hours at Immanuel, Wise Memorial, or Douglas County Hospitals, also furnish opportunity for similar instruction. Members of the class required to assist at operations and administer anesthetics under direction as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. Professor Jonas. (b) Six hours clinics. Professors Jonas and Davis

6. **Practice of Surgery**—5 continued. Second semester.

8. **Demonstrations**—Each member of the class individually instructed in performing surgical operations on the cadaver. He is required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection and trephining. [Second semester, senior year.

Professor Jonas, Doctor Morison

9. **Section Clinics**—Special clinics by appointment in all of the hospitals mentioned above. These clinics afford work in all branches of general and special surgery. First semester, senior year.

Professors Jonas, Davis, and Associate Professor Stokes

10. **Section Clinics**—9 continued. Second semester.

12. **Oral Surgery**—Short course of lectures on the surgery of the mouth

in its relation to diseases of the teeth and alveolar processes; care of teeth and influence of neglect of mouth in production of general and stomach disorders. Second semester, senior year. Doctor Hunt

13. **Laboratory Course in Surgical Pathology**—Gross and microscopic specimens demonstrated from a diagnostic point of view.

Doctors Hollister and Kennedy

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—Various deformities; diagnosis, pathology and treatment. Joint diseases; their mechanical and other treatment. Practical study of the subjects of the lectures at surgical clinics in Omaha and Douglas County hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year.

Professor Jonas and Doctor Orr

2. **Orthopedic Surgery**—1 continued. Second semester.

GENITO-URINARY SURGERY

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

1. **Genito-Urinary Surgery**—One hour lecture. One hour clinic. First semester, senior year. Associate Professor Stokes

2. **Genito-Urinary Surgery**—1 continued. Second semester.

3. **Laboratory Demonstrations**—Practical demonstrations in laboratory on pathology of genito-urinary diseases.

Associate Professor Stokes or Assistant

OBSTETRICS

Professor Somers, Adjunct Professor Pollard

For practical work in obstetrics the material is ample. Each student is shown one or more cases during the last semester of the junior year, special advantages being afforded students remaining in the city during the summer months. An obstetric clinic from 2 to 4 p.m. Saturdays is in successful operation in connection with this department, at which the students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the

time. All material at the Tinley Home and for four months of the year at the County Hospital is utilized for this purpose. Written reports of all clinical obstetric work is required and every student must have reported at least five cases of confinement before coming up for graduation.

1. **Anatomy and Physiology of the Female Pelvic Organs**—Development of the ovum; hygiene and management of pregnancy, its signs, diagnosis and pathology. Subject of lectures assigned for study and recitation. Three hours recitation. First semester, junior year.

Adjunct Professor Pollard

2. **The Theory and Practice of Obstetrics as Applied to Normal and Abnormal Labor**—Lectures illustrated by charts, diagrams and models. Three hours lecture. Second semester, junior year.

Adjunct Professor Pollard

3. **Obstetrics**—Mechanism of labor, difficult labor, pathology of puerperal state, and the new-born child. Exercises on manikin in diagnosing position and presentation, including a review of mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year.

Professor Somers

4. **Obstetric Surgery**—History and description of all obstetric operations, with a demonstration of all necessary instruments and their uses. Two hours lecture weekly. Second semester, senior year.

Professor Somers

5. **Attendance on Ostetrical Cases**—The various lying-in hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of senior class under direction. During such attendance he is excused from other college exercises. Under direction and in presence of the professor or one of his assistants, he makes examinations, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor and in case operative procedure is necessary, witnesses and assists at operations. Practical use of anesthetics in labor. Second semester, junior year, and first semester, senior year.

Professor Somers, Adjunct Professor Pollard

7. **Pathology**—Normal and morbid anatomy of placenta and pregnant and puerperal uterus. Practical demonstrations in the laboratory. First semester, junior year.

8. **Pathology**—7 continued. Second semester.

GYNECOLOGY

Professor Findley, Doctor Hollister. Clinical Assistant: Doctor Fairchild

The instruction in diseases of women consist largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological

lesions and operative procedures, and in order that the student may be thoroughly grounded in the essentials of diagnosis the lectures and clinics are supplemented by a laboratory course in gynecological diagnosis where gross and microscopic specimens of the various lesions of the female genitalia are demonstrated. The dispensary clinic, held daily in the College building, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One college clinic each week is held in the Clarkson Memorial Hospital throughout both semesters where cases are presented for diagnosis and treatment.

1. **Gynecology**—Subject covered by didactic lectures and oral and written quizzes two days weekly. Supplemented by epidiascope illustrations, demonstrations of instruments, casts and pathological specimens. One clinic each week at Clarkson Memorial Hospital, where cases are presented for diagnosis and operation. A special feature of the clinic is the opportunity given each student to make examinations under anesthesia. One hour each day devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. First semester, senior year. (a) Lectures. Professor Findley. (b) Demonstrations. Professor Findley, Doctor Hollister. (c) Hospital clinic. Professor Findley, Doctor Hollister. (d) Dispensary clinics. -Doctors Hollister and Fairchild.

2. **Gynecology**—1 continued. Second semester.

3. **Gynecological Diagnosis**—A laboratory course, in which the gross and microscopic pathology of gynecological lesions are studied. These demonstrations, together with the lectures and clinics, are intended to supplement amphitheater discussions of pathology. Special stress is laid upon microscopic diagnosis of uterine scrapings and excised pieces. Opportunity is afforded students to do special laboratory work on fresh material from the clinics. First semester, senior year.

Professor Findley, Doctor Hollister

4. **Gynecological Diagnosis**—3 continued. Second semester.

OPHTHALMOLOGY AND OTOTOLOGY

Professor Gifford, Doctor Lemere, Doctor Patton

5. **Ophthalmology**—Anatomy and physiology of the eye. Use of the ophthalmoscope; practical study of normal fungus; theory of refraction and retinoscopy. Ten lectures. First semester, senior year.

Doctor Patton

3. **Otology**—Anatomy and physiology of the ear. Use of otoscope;

practical study of normal drum membranes; application and theory of acoustic tests. Ten lectures. First semester, senior year.

Doctor Lemere

1. **Ophthalmology and Otology**—External and internal diseases of the eye and ear and their differential diagnosis. The clinics furnish abundant cases illustrative of the lectures on the eye and ear. First semester, senior year. (a) Lecture and hospital clinic. One hour weekly. Professor Gifford. (b) Section clinics. Doctor Lemere and Doctor Patton

2. **Ophthalmology and Otology**—4 continued. Second semester.

4. **Refraction and Retinoscopy**—Practical work at trial cases in dark room. To meet state board requirements. Second semester, senior year.

Doctor Patton

6. **Dispensary Clinic**—In college dark room. Two hours weekly. Senior year.

Doctor Patton

LARYNGOLOGY AND RHINOLOGY

Professor Owen, Dr. Wherry

1. **Laryngology and Rhinology**—Diseases of the nose, throat and larynx; their dependence upon and relation to various constitutional infections and dyscrasæ. One hour lecture. First semester, senior year.

Professor Owen

2. **Laryngology and Rhinology**—1 continued. Second semester, senior year.

3. **Principles and Use of the Laryngoscope and Rhinoscope**—Anatomy and physiology of the upper respiratory tract. A study of normal appearances of nose, throat and larynx. Dark room with artificial light provided in the College Dispensary. One hour weekly. First semester, senior year.

Doctor Wherry

4. **Clinic**—The dispensary clinic furnishes material for study of diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearance and the use of the instruments during the first semester students are prepared for practical instruction in pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel hospitals. One hour weekly. Second semester, senior year.

Professor Owen, Doctor Wherry

DERMATOLOGY AND GENITO-URINARY DISEASES

Professor Schalek, Doctor Klick

The course includes conferences throughout the year in which cases are demonstrated and discussed. Weekly recitations serve to prepare a thorough foundation for the subject. At the College Dispensary students

become familiar with the more common cutaneous diseases. The latest advances in syphilology are presented. The students are made acquainted with the radio-therapy, the carbonic acid snow treatment, and other therapeutic measures. During the second semester a regular weekly clinic is given at the County Hospital which affords abundant dermatological material. From time to time the students are taken to other hospitals to see patients at the bedside. A fine collection of plates and photographs illustrating various diseases of the skin are available for demonstrations.

1. **Dermatology**—Demonstrations at the Methodist, Immanuel, and Clarkson hospitals. First and second semesters, senior year.

Professor Schalek

2. **Dermatology and Genito-Urinary Diseases**—Clinic at the County Hospital one hour weekly. Demonstration of cases and treatment, with lectures. Second semester, senior year.

Professor Schalek

3. **Dermatology**—Quizzes with demonstrations of plates and patients. One hour weekly. First and second semesters, senior year.

Doctor Klick

PEDIATRICS

Professor McClanahan, Doctor Christie

1. **Pediatrics**—Gastro-intestinal diseases, contagious diseases, diseases of nutrition, and important part played by errors of diet in their production. Milk modification in all its methods, including the working out of percentages. The history and technique of intubation. Clinics at College Dispensary where many cases of ordinary affections of infancy and childhood appear furnish practical applications. One hour lecture. One hour clinic. First semester, senior year.

Professor McClanahan, Doctor Christie

2. **Pediatrics**—1 continued. Second semester.

3. **Care of Children**—Instruction in the care, hygiene and feeding of infants, cranial measurements, and physical development. One hour lecture and quiz. First semester, junior year.

Doctor Christie

5. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute and Methodist Hospital where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever, and whooping cough, as they occur in epidemic form. First semester, senior year.

Professor McClanahan, Doctor Christie

6. **Section Clinics in Pediatrics**—4 continued. Second semester.

NERVOUS AND MENTAL DISEASES

Professor Aikin, Professor Moore, Doctor Mogridge

3. **Lectures on Diseases of the Nervous System**—Lectures on the causes of nervous diseases, and the general symptoms. Diagnosis and methods of examination. Diseases of the peripheral nerves. Motor neuroses of spinal nerves. Sensory neuroses of cerebro-spinal nerves. Diseases of the spinal cord. Degenerative diseases. Muscular atrophies. Diseases of the brain. Function neuroses. Insomnia and neurological therapeutics. These lectures will be illustrated by clinical cases at the Methodist, Immanuel, and Douglas County hospitals. At the Douglas County hospital students are assigned cases for examination, diagnosis and treatment and are required to report their cases before the entire class. One hour lecture. Second semester, senior year.

Professor Aikin

1. **Lectures on Diseases of the Mind**—Definitions, classification, general etiology, general pathology. General psychology. General symptoms and symptom groups. Examination and diagnosis. Functional psychoses, organic psychoses. One hour lecture. First semester, senior year.

Professor Moore, Professor Aikin

2. **Lectures on Arrested Development**—This course considers the cause, manifestations and diagnosis of arrested development. Six lectures, one hour each, and one day spent at the Glenwood, Iowa, Institute for the Feeble Minded. First semester, senior year.

Doctor Mogridge

MEDICAL JURISPRUDENCE

Mr. Page

1. **Medical Jurisprudence**—Physicians' contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year.

Mr. Page

JUNIOR YEAR
(Clinics in Italics)

HOUE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8	Goetz <i>Medicine Clinic</i> <i>Wise Hospital</i>	Hollister (b) <i>Minor Surgery</i> <i>Clinic County</i> <i>Hospital</i>	Bliss Pathology Confer- ence	Goetz Medicine Recita- tion	Bliss Pathology	
9			Bliss Principles of Medi- cine	Manning Therapeutics		
10	Manning Therapeutics			Pollard Obstetrics	Christie Pediatrics Recita- tion	<i>Immanuel</i> <i>Hospital</i>
11	Pollard Obstetrics	Truelsen (b) <i>Medicine Clinic</i> <i>County Hospital</i>	Truelsen (a) Physical Diagnosis	Hollister Surgery Recitation	Pollard (a) Obstetrics Jefferson (b) Therapeutics	Davis <i>Surgery Clinic</i>
1	Stokes <i>Dispensary</i> <i>Surgery</i>	McClanahan <i>Dispensary</i> <i>Pediatrics</i>	Dispensary and Drug Room work	Dispensary and Drug room Work	Bliss <i>Dispensary</i> <i>Medicine</i>	Truelsen <i>Medicine Clinic</i>
2	Stokes (a) Surgical Anatomy Towne (b) Sanitation— State Medicine	Davis Principles of Surgery	Peterson Medicine Recitation	Davis Principles of Sur- gery	Peterson Medicine Recita- tion	Christie <i>Pediatric Clinic</i> 9-12
3	Hull Surgery Recitation	Stokes (a) Surg. Anatomy Towne (b) (c) Sanitation— State Medicine	Hull Surgery Recitation			
4	Bliss Medicine Recita- tion	Hollister Surgery Recita- tion			Stokes (b) Experimental Sur- gery (elective)	

(a) First semester. (b) Second Semester. (c) 8 hours.

SENIOR YEAR
(Clinics in Italics)

HOOR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8	Morison (b) Surgery	Patton (a) Lemere Ophthalmology Ology	Jonas <i>Surgical Clinic</i> <i>Methodist Hospital</i>	Goetz <i>Medicine</i> <i>Clarkson Hospital</i>	Schalek-Klick Dermatology (a) College (b) County Hos- pital	McClanahan <i>Child-Saving Inst.</i> <i>by appointment</i>
9		Wherry (a) Laryngology and Rhino- loyd (b) (c) Life Insurance		Findley <i>Gynecology and</i> <i>Conference</i> <i>Clarkson Hospital</i>	Milroy Med. Conference	Milroy <i>County Hospital</i> <i>Medicine Clinic</i>
10	Findley Gynecology	Kennedy Surgery	Bridges <i>Conference and</i> <i>Medical Clinic</i> <i>Methodist Hospital</i>		Stokes G. U. and Rectal Surg. (a) College (b) Co. Hospital	Ludington (b) <i>Medicine Clinic</i>
11	Jonas Surg. Conference	Orr Orthopedic Sur- gery	Alkin <i>Nervous and Men- tal Diseases</i> <i>Methodist Hospital</i> 12 to 1	Schalek-Klick <i>Dispensary</i> <i>Dermatology</i>	Bliss <i>Dispensary</i> <i>Medicine</i>	Alkin (b) <i>Nervous Diseases</i> <i>Clinic</i> 8.30 to 12
1	Stokes <i>Dispensary</i> <i>Surgery</i>	McClanahan <i>Dispensary</i> <i>Pediatrics</i>		Alkin, Moore, Mogridge <i>Nervous and Men- tal Diseases</i>	Somers Obstetrics	
2	Somers Obstetrics	Goetz Therapeutics	Gifford <i>Ophthalmology and</i> <i>Otology</i> <i>Methodist Hospital</i> 1 to 2.30	Banister (a) <i>Tropical Medicine</i>	Hunt (b) (c) Dental Surgery	
3	Ludington Medicine			McClanahan <i>Pediatrics</i>	Owen Laryngology and Rhthology	Somers <i>Clinics by Appoint- ment</i>
4	Hollister (a) Fractures and Dislocations Page (b) (c) Med. Jurisprud- ence					

(a) First Semester. (b) Second Semester. (c) 8 hours. Laboratory open Monday, Tuesday, Thursday and Friday, 8 to 10 a.m.

REGISTER OF STUDENTS, 1910-1911

CANDIDATES FOR THE *CUM LAUDE* DEGREE—8

Name	Home Address
Anderson, William Nance.	Clarkson Hospital, Omaha
B. Sc., 1908, M. D. 1910, The University of Nebraska.	
Buol, George	Immanuel Hospital, Omaha
M. D., 1910, The University of Nebraska.	
Carson, Harry Raymond	Clarkson Hospital, Omaha
M. D. 1910, The University of Nebraska.	
Olsson, Justus Edgar	Methodist Hospital, Omaha
M. D. 1910, The University of Nebraska.	
Potts, John Beekman.	Omaha
M. D. 1907, The University of Nebraska.	
Scott, Frank Waldo	Immanuel Hospital, Omaha
M. D. 1910, The University of Nebraska.	
Stearns, Robert James	Methodist Hospital, Omaha
M. D. 1910, The University of Nebraska.	
Stewart, Charles Roy	Methodist Hospital, Omaha
M. D. 1910, The University of Nebraska.	

SENIORS—10

Bald, Arno Albert	Aurora
Bocken, Herman.	Harlan, Ia.
Burnham, Frank Asahel	Pawnee City
Frank, Lorenz William	Arapahoe
Martin, Roy David.	Omaha
Sward, Erick Martin Paulus	Oakland
Taylor, Willis Harvey.	Villisca, Ia.
Tucker, Mary Winifred	Lincoln
Ward, Archibald Walter	Stockville
Wildish, Reginald Myron	Aurora

JUNIORS—9

Brown, Andrew Dobbie.	Lincoln
Higgins, Ralph Phillip	Blue Hill
Maxwell, James Taliaferro	South Omaha
Phillips, Clark L	Yutan
Rush, Weaver Aldus	Malvern, Ia.
Sellon, George Irving	Stanley, Wyo.
Smith, Arthur Andrew	Omaha
Taylor, Jesse Day.	University Place
Tucker, James C.	Tabor, Ia.

SOPHOMORES—21

Arnholt, Milton Frederick	Lincoln
A. B., 1909, B. Sc. 1911, The University of Nebraska.	
Berquist, William Gerhardt	Bushnell
Bolinger, Hugh J.	Lincoln
Cobb, Elliot Cunningham	Harlan, Ia.
Dugdale, Allison Harold	Lincoln
Garst, Virgil Paul	Lincoln
Hammitt, Walter Frank	Garwin, Ia.
Harvey, Andrew, Jr.	North Bend
Heaton, William Daniel	Wahoo
Laughlin, Joseph Wilson	Callaway
Medlar, Edgar Matthias	Crete
Mitchell, Claude William	Lincoln
Moyer, Torrence Calvin	Lincoln
Powell, Ward Hughes	Overton
Pratt, George Peyton	Lincoln
Smith, Arthur Lawrence	Dunlap, Ia.
Stastny, Olga Frances	Wilber
Steenburg, Donald Benjamin	Aurora
Weedman, Walter Franklin	Ottawa, Kans.
Westervelt, Alfred Edward	Omaha
Woodard, Dean Sanford	Lincoln

FRESHMAN—32

Adson, Alfred Washington	College View
Becker, Wesley Charles	Lincoln
Bolibaugh, Oral Bevolvy	Holbrook
Burns, Hiram Delaney	Omaha
Covey, George Worthington	College View
Ellis, James William	Lincoln
Erskine, Earl Bradley	Tilden
Goodnough, John Harland	Chadron
Gramlich, Ralph Clifford	South Omaha
Ham, John Paul	Benkelman
Harms, Charles Wesley Warren	Clatonia
Irvine, Robert Steele	College View
Keegan, John Jay	Alliance
King, Dexter D.	Lincoln
Kotlar, Frank John	Columbus
Linger, Earl Albert	Havelock

Luikart, Ralph Herbert	Lincoln
Meyer, Carl Augustus	University Place
Miles, Seth Herbert	College View
Moon, Charles Franklin	Ashland
Moser, Reuben Allyn	Omaha
Packard, George Byron, Jr.	Denver, Colo.
Paul, Harvey Earl	Superior
Pestal, Gustave Adolph	Wahoo
Potts, Madge J	Broken Bow
Roen, Paul Brandt	Columbus
Scholten, William	Lincoln
Walker, Glenn Faye	Red Cloud
Warner, Ruth Ashley	Lewellyn
Wells, Clifford Webb	Des Moines, Ia.
Williams, Mildred Carnahan	York
Young, Blaine Augustus	Malvern, Ia.

SECOND YEAR, SIX-YEAR COMBINED COURSE—20

Beaver, Chester Adam	Lincoln
Blomenkamp, August E. H.	Hastings
Bly, Mark Warren	Beaver City
Carr, Allen Earle	Lincoln
Carr, Ivan Nickell	Lincoln
Colman, Howard Notson	Seward
Flory, Paul Jones	Pawnee City
Greenberg, Abe	Omaha
Howard, Rollins Stanley	Phoenix, Ariz.
Hustead, Charles Delino	Phillips
Lehew, Robert Milton, Jr.	Lincoln
McGrath, Wilmer Delavergne	Elsie
McKee, Clarence Stiles	Lexington
Martins, Robert Herman	Enid, Okla.
Mayland, William Foster	Seward
Morrison, Harold Fleming	Ontario, Ore.
Reese, Sidney Ober	Randolph
Rosenbaum, Harold Alvin	Harvard
Williams, James Benjamin	Wood River
Woodward, James Mac	Lincoln

FIRST YEAR, SIX-YEAR COMBINED COURSE—42

Andrews, Clayton Farrington	St. Paul
Baker, Earl Elias	Havelock

Bastron, Carl Henry	Lincoln
Broman, Martin Robert	Kearney
Buschhusen, Will John	Oelwein, Ia.
Chase, Warren James	Alexandria
Danielson, Wilford Alfred	Osceola
Davis, John Calvin, Jr.	Omaha
Deane, Carl Eugene	Lincoln
Field, Osmond Francis	Lowell, Mass.
Fuller, Rex	Emerson
Hammond, Margaret Estelle	Lincoln
Harm, Winfred Bronsart	Omaha
Heine, Clinton Daniel	Hooper
Henline, Ralph Gregory	Kearney
Hester, Harry Edward	Beaver City
Hoffmeister, George W.	Imperial
Inhelder, Benjamin John	Pierce
Kepner, Raymond Brandt	Havelock
Kline, Philip	Omaha
Krisl, Mary Ellen	Lincoln
Leahy, William Richard	Lincoln
Liephart, Clyde Merton	Lincoln
Mason, Bessie Pearl	Beaver City
Munger, Arbor Day	Lincoln
Niehaus, Frederick Wilhelm	McClelland, Ia.
Park, Durward Belmont	Randolph
Peyton, Wade Hampton	Lincoln
Riley, Wilbur Kirk	Wisner
Rohde, Carl George	Columbus
Ross, William Lytle, Jr.	Omaha
Ryder, Frank Dell	Grand Island
Sage, Earl Coddington	South Omaha
Sanmann, Louie Frederic	Diller
Shepherd, William	Rulo
Sisler, Rebanis	Geneva
Smith, Charles Richard	Tilden
Thompson, Joseph Wood	Denver, Colo.
Thompson, Richard Yoder	West Point
Torell, Gerhard John	Lincoln
Whitcomb, Glenn D	York
Wilcox, Clifford Franklin	Lincoln

SCHOOL OF PHARMACY—35

Anderson, Edo Hildding	Holdrege
Beckord, Henry George	Waco
Bradford, Harold N	University Place
Brown, Richard James	Scottsbluff
Chappell, Elwood Blake	Osmond
Crouse, Samuel Thomas	Osceola
Davies, Elma	Cozad
DeLong, Alton Harrison	Hartington
Dodds, Louie	Omaha
Erickson, Theodore Oscar	Stromsburg
Hallowell, Bertha Lillian	Kearney
Harden, Herbert C	Liberty
Hoffman, Libbie	South Omaha
Huntsman, Frank	Hebron
Kovanda, Rudolph A	Table Rock
Lake, Lilburn	Lexington
McGowan, August Claude	Scottsbluff
Malick, Allen Thurman	Bloomington
Malick, Jesse Uriah	Bloomington
Neumann, John Henry	Lewiston, Minn.
Nielsen, Harry Osmond	Hastings
Prouty, Harrie Montross	Lincoln
Rogosch, Carl Frederick	Ponca
Schwake, Frank Whitten	Nebraska City
Shirey, Raymond Clarence	Wilber
Sohlberg, Joseph Emanuel	Oakland
Taylor, Loren Guy	Clay Center
Thompson, Harry Landis	West Point
Thorpe, Berta Florence	Broken Bow
Thrailkill, Frank Leonard	Litchfield
Walburn, John Edgar	Endicott
Ward, Nellie Marguerite	Lincoln
Whaley, Minor Hill, Jr.	Lincoln
Wood, Wilber Sylvester	Lincoln
Young, Mildred Olivia	Lincoln

UNCLASSIFIED—22

(Including Dental Students registered in courses reserved for them)

Adkins, Stephen Corson	University Place
Alldritt, Earl Cleo	Friend

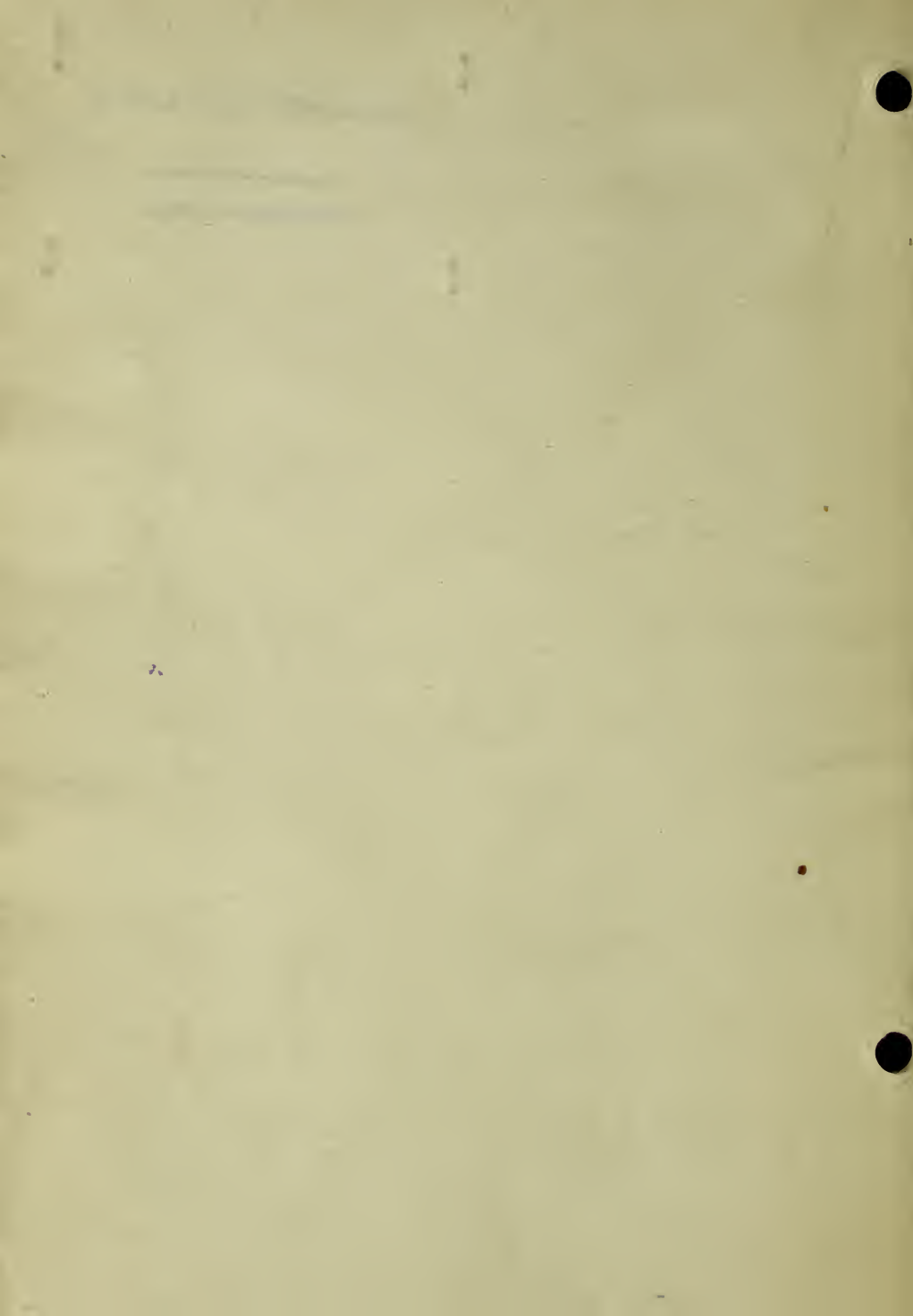
Balderson, George Allen	Wilber
Brookman, Clarence Marvin	Lincoln
Brown, Corol Edwin	Lincoln
Buerstetta, Frank Allen	Tecumseh
Carlson, George Ludwick	Ong
Davis, Ned Everett	Carroll, Ia.
Diers, Carl Everett	Ulysses
Graves, Ernest Elmer	Lincoln
Griess, Gustav Martin	Sutton
Grubb, George Albert	Lincoln
Lamb, Orin Renwick	Wahoo
Luff, Alonzo Worth	Friend
McLean, Wallace	Lincoln
Nickelson, Robert Vincent	Wisner
Olson, Harry Theodore	Clarkfield, Minn.
Opie, Harold William	Lincoln
Sturdevant, Ralph Smith	Weston
Sullivan, John Joseph	Jackson
Thomas, Walter Harris	Lincoln
Withers, Roscoe D	Lincoln

SUMMARY OF STUDENTS

Candidates for the <i>cum laude</i> degree	8
Seniors	10
Juniors	9
Sophmores	21
Freshmen	32
Total in four classes	72
Second year, six-year combined course	20
First year, six-year combined course	42
School of Pharmacy	35
Unclassified	22
Total	199

UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE



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1914/15
Series XIX

APR 1 1915
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No. 10

Bulletin of The University of Nebraska

ANNUAL CATALOG OF THE COLLEGE OF MEDICINE

OMAHA, NEBRASKA

ANNOUNCEMENT

1914-15

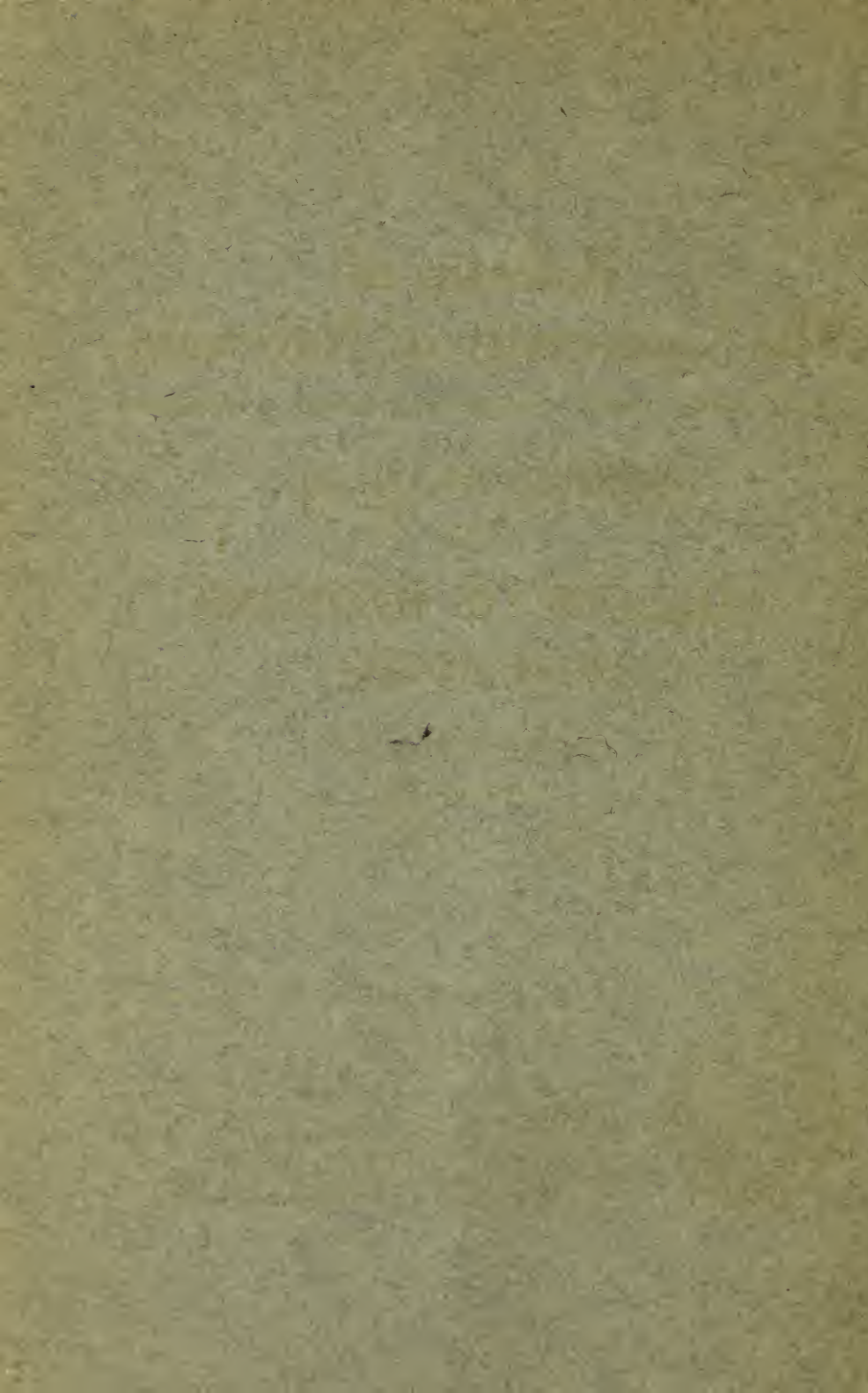


Published by the University

April 27, 1914

LINCOLN, NEBRASKA

The Bulletin of the University of Nebraska is published monthly in March, semi-weekly in April, and monthly in May, June, August and November of each year by the University of Nebraska. Entered at the Post-Office at Lincoln, Nebraska, as second-class matter under Act of Congress July 16, 1894.



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No. 10

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ANNUAL CATALOG OF THE COLLEGE OF MEDICINE OMAHA, NEBRASKA ANNOUNCEMENT 1914-15



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COLLEGES AND SCHOOLS OF THE UNIVERSITY

The University of Nebraska comprises the following colleges and schools:

The Graduate College.

The College of Arts and Sciences, including the Schools of Commerce and Fine Arts.

The Teachers College, including the Teachers College High School.

The College of Engineering.

The College of Agriculture, including the Schools of Agriculture.

The College of Law.

The College of Medicine, including the School of Pharmacy.

The Nebraska Agricultural Experiment Station, the Agricultural School at Curtis and the Experimental Substations at North Platte, Culbertson, Valentine and Scottsbluff and the Farmers' Institutes are under the supervision of the Board of Regents of the University. The Lincoln Dental College has a contract with the University under which the sciences necessary for the degree in dentistry are taught at and by the University.

For separate catalogs or information regarding any of the above colleges or schools, address

THE REGISTRAR,
THE UNIVERSITY OF NEBRASKA,
Lincoln, Nebraska.

THE UNIVERSITY YEAR

The regular session of the University embraces thirty-nine weeks, beginning the third Wednesday of September, and is divided into a first and a second semester. A summer session of eight weeks immediately follows the close of the second semester class work. Instruction is offered from September to August.

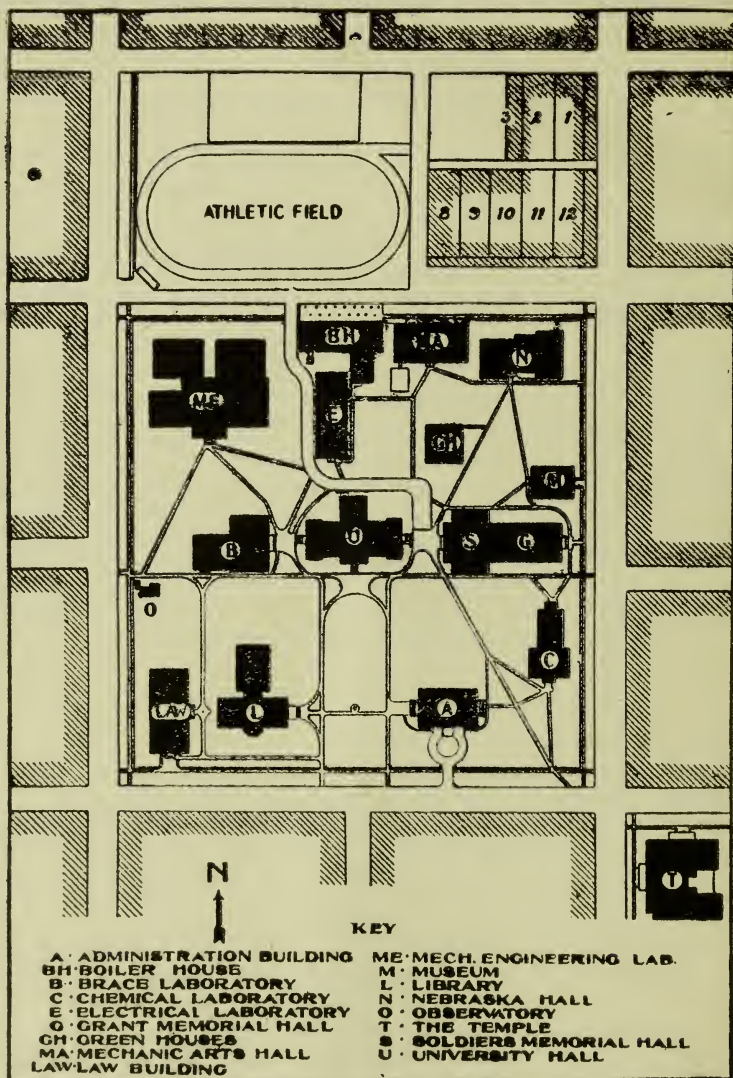
To enter any session, one must be able either to present the minimum admission requirements to the University or to meet the conditions for "Adult Special" registration.

THE BOARD OF REGENTS

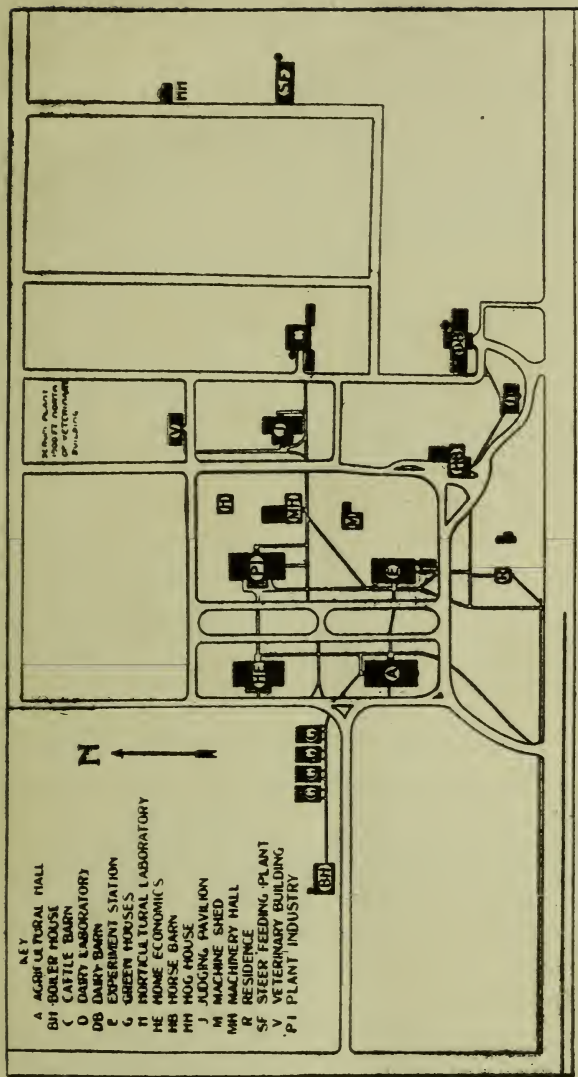
HON. CHARLES BARNEY ANDERSON	Crete
Term expires January, 1915	
HON. GEORGE COUPLAND	Elgin
Term expires January, 1915.	
HON. CHARLES SUMNER ALLEN, President	Lincoln
Term expires January, 1917.	
HON. WILLIAM GUNN WHITMORE	Valley
Term expires January, 1917.	
HON. FRANK LOUIS HALLER	Omaha
Term expires January, 1919.	
HON. VICTOR GERALD LYFORD	Falls City
Term expires January, 1919.	

Committees of the Board of Regents

- Executive—Messrs. Allen, Lyford, Haller.
Finance—Messrs. Lyford, Anderson, Haller.
Property—Messrs. Whitmore, Lyford, Coupland.
Industrial Education—Messrs. Coupland, Whitmore, Anderson.



THE UNIVERSITY CAMPUS IN THE CITY



THE UNIVERSITY OF NEBRASKA FARM CAMPUS.

1914

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5					1	2	3	1	2	3	4	5	6	7			1	2	3	4	5
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
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20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
27	28	29	30				25	26	27	28	29	30	31	29	30						27	28	29	30	31		

1915

JANUARY							FEBRUARY							MARCH							APRIL						
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31																											
MAY							JUNE							JULY							AUGUST						
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23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31	29	30	31				
30	31																										
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2						1	2		1	2	3	4	5	6				1	2	3	4
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12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	
							31																				

1914

Sept. 18-19—Registration, first semester.
 Nov. 25-28—Thanksgiving Recess
 Dec. 21-Jan. 2—Christmas Recess

1915

Jan. 29-30—Registration, second semester.
 Feb. 15—Charter Day, a holiday.
 Mar. 29-April 3—Spring Recess
 May 30—Decoration Day.
 June 6-10—Forty-fourth Annual Commencement.

CONTENTS

	PAGE
Calendar of the College of Medicine.....	8
Officers of Administration and Instruction.....	9
Organization of the College of Medicine.....	14
Standing.....	14
Methods of Instruction.....	15
Six-year combined Collegiate and Medical Course.....	15
Admission to the College of Medicine.....	16
Requirements for Graduation.....	20
Requirements for the Satisfactory Completion of a Course.....	20
Fees and Expenses.....	22
Graduate Work in Medicine.....	23
Equipment.....	24
Clinical Facilities.....	27
Hospitals.....	29
Hospital Appointments.....	31
Public Health.....	31
Libraries, Publications and Societies.....	32
Clinical Review Week.....	33
The College Paper, "The Pulse".....	35
Medical Inspection of Schools.....	35
Museum.....	35
Dispensary Staff Meetings.....	36
Journal Club.....	36
Clinical Clerk Service.....	36
Student Loan Fund.....	36
Scholarships.....	36
Prizes.....	37
Affiliation with the National Red Cross.....	37
Arrangement of the Courses of Study.....	37
Courses of Instruction, Omaha.....	41
Medical Work in Lincoln.....	58
Combined Academic Medical Courses.....	58
Order of Subjects in Six-Year Combined Course.....	59
Courses of Instruction in Lincoln.....	61
Register of Students, 1913-1914.....	67
Summary of Students.....	76

CALENDAR FOR THE COLLEGE OF MEDICINE

For Work in Omaha

1914

September 14-19	Monday-Saturday	Entrance examinations
September 18-19	Friday-Saturday	First semester registration
September 19	Saturday, 8 p. m.	University reception to all students
September 21	Monday	First semester classes begin
September 23	Wednesday, 11 a. m.	Opening address by the Chancellor
November 25	Wednesday, 12 m.	Thanksgiving recess begins
November 28	Saturday, 12 m.	Thanksgiving recess ends
December 8	Tuesday	Regular meeting of the Board of Regents
December 21	Monday, 8 a. m.	Christmas holidays begin

1915

January 2	Saturday, 12 m.	Christmas holidays end
January 25-30	Monday-Saturday	Entrance examinations
January 29-30	Friday-Saturday	Second semester registration
February 1	Monday	Second semester classes begin
February 15	Monday	Charter Day. A holiday. Regular meeting of the Board of Regents
March 29	Monday, 8 a. m.	Spring recess begins
April 3	Saturday, 12 m.	Spring recess ends
April 6	Tuesday	Regular meeting of the Board of Regents
June 4	Friday, 6 p. m.	Second semester class work ends.
June 7	Monday, 4 p. m.	Final recommendation for degrees by faculties

Commencement Week

June 6	Sunday	Baccalaureate sermon
June 7	Monday	Summer session begins.
June 8	Tuesday	Regular meeting of the Board of Regents
June 9	Wednesday	Alumni Day. Class Day
June 10	Thursday	Forty-fourth Annual Commencement (In Lincoln)
September 22	Wednesday	First semester begins (1915-16)

OFFICERS OF INSTRUCTION AND ADMINISTRATION
IN OMAHA

SAMUEL AVERY, Ph.D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Secretary of the University.

* EDWARD MARKWOOD RUTLEDGE, A. B., Registrar and University Publisher.

VANCIL KELSO GREER, LL. B., Registrar and University Publisher.

WILLSON ORTON BRIDGES, M. D., Dean of the College of Medicine and Professor of the Principles and Practice of Medicine and Clinical Medicine.

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AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology and Pharmacology.

WILLIAM ALBERT WILLARD, Ph. D., Professor of Histology and Embryology.

CHARLES WILLIAM McCORKLE POYNTER, B. Sc., M. D., Professor of Anatomy.

OSCAR THEODORE SCHULTZ, A. B., M. D., Professor of Pathology and Bacteriology.

HAROLD GIFFORD, B. Sc., M. D., Professor of Ophthalmology and Otology.

RICHARD CHANNING MOORE, M. D., Professor Emeritus of Diseases of the Mind.

WILLIAM FORSYTH MILROY, M. D., Professor of Clinical Medicine and Physical Diagnosis.

AUGUST FREDERICK JONAS, M. D., Professor of the Practice of Surgery and Clinical Surgery.

HARRY MONROE McCLANAHAN, A. M., M. D., Professor of Pediatrics.

BYRON BENNETT DAVIS, A. B., M. D., Professor of the Principles of Surgery and Clinical Surgery.

* Resigned.

FRANK STYLES OWEN, M. D., Professor of Laryngology and Rhinology.
ANDREW BARTHOLOMEW SOMERS, M. D., Professor of Obstetrics.
SOLON RODNEY TOWNE, A. M., M. D., Professor of Hygiene and
State Medicine.

JOSEPH MELANCHTHON AIKIN, M. D., Professor of Nervous and
Mental Diseases.

PALMER FINDLEY, A. M., M. D., Professor of Gynecology.

ALFRED SCHALEK, A. M., M. D., Professor of Dermatology and Gen-
ito-Urinary Diseases.

LEROY CRUMMER, B. Sc., M. D., Professor of Clinical Medicine.

JOHN PRENTISS LORD, M. D., Professor of Orthopedics.

JOHN EDWARDS SUMMERS, M. D., Professor of Clinical Surgery.

ARTHUR CHARLES STOKES, B. Sc., M. D., Associate Professor of
Genito-Urinary and Experimental Surgery.

JAMES DOUGLAS PILCHER, Ph. B., M. D., Associate Professor of
Pharmacology.

CHARLES WHITNEY POLLARD, A. B., M. D., Assistant Professor of
Obstetrics.

JAMES SAMUEL GOETZ, M. D., Assistant Professor of Therapeutics.

BURTON WHITFORD CHRISTIE, B. Sc., M. D., Assistant Professor
of Pediatrics.

RODNEY WALDO BLISS, B. Sc., M. D., Assistant Professor of Clinical
Medicine and Physical Diagnosis.

ROBERT RUSSELL HOLLISTER, A. B., M. D., Assistant Professor of
Surgery and Gynecology.

CHARLES REX KENNEDY, M. D., Assistant Professor of Surgery.

JOHN MONROE BANISTER, A. B., M. D., Assistant Professor of
Tropical Medicine.

CHARLES CAMPBELL MORISON, A. B., M. D., Assistant Professor
of Surgery.

ALDIS ADELBERT JOHNSON, Ph. B., M. D., Instructor in Clinical
Pathology.

CLAUDE WILLIAM MITCHELL, Ph. G., Ph. D., Instructor in Physi-
ology and Pharmacology.

ALFRED OLAF PETERSON, A. M., M. D., Instructor in Internal
Medicine.

HENRY BASSETT LEMERE, M. D., Instructor in Ophthalmology and Otology.

ERNEST TIBBETS MANNING, M. D., Instructor in Medicine.

WILLIAM PENALUNA WHERRY, M. D., Instructor in Laryngology and Rhinology.

CHARLES AARON HULL, M. D., Instructor in Surgery.

JAMES McDOWELL PATTON, A. M., M. D., Instructor in Ophthalmology and Otology.

CHARLES LIEBER, M. D., Assistant in Experimental Surgery.

WILLIAM NANCE ANDERSON, B. Sc., M. D., Instructor in Physical Diagnosis.

ALFRED JEFFERSON, M. D., Instructor in Therapeutics.

NORA MAY FAIRCHILD, M. D., Clinical Assistant in Gynecology.

JOHN CLYDE MOORE, Jr., B. Sc., M. D., Clinical Assistant in Medicine.

HOWARD BROWNLEE HAMILTON, M. D., Instructor in Medicine.

CLARENCE RUBENDALL, B. Sc., M. D. Clinical Assistant in Laryngology and Rhinology.

JOHN BEEKMAN POTTS, M. D., Instructor in Ophthalmology and Otology.

WILLIS HARVEY TAYLOR, B. Sc., M. D., Instructor in Obstetrics.

EDSON LOWELL BRIDGES, M. D., Instructor in Medicine.

AUGUSTUS DAVIS CLOYD, M. D., Lecturer on Life Insurance Examinations.

ALFRED ONIAS HUNT, D. D. S., Lecturer on Dental Surgery.

GEORGE MOGRIDGE, M. D., Lecturer on Arrested Development, Glenwood, Iowa.

JOHN FAY HYDE, M. D., Clinical Assistant in Surgery.

HARRISON ALONZO WIGTON, B. Sc., M. D., Assistant in Pediatrics.

JOHN RUDOLPH NILSSON, M. D., Assistant in Surgery.

ARCHIBALD ROY KNODE, M. D., Assistant in Ophthalmology and Otology.

FREDERICK ARTHUR VAN BUREN, M. D., Lecturer in Anatomy.

ADOLPH BERNARD LINDQUEST, A. B., M. D., Assistant in Ophthalmology and Otology.

LYNN THOMPSON HALL, B. Sc., M. D., Assistant in Medicine.

CARL HARDIN BALLARD, M. D. Instructor in Dermatology.

ROY ANDREW DODGE, M. D., Clinical Assistant in Genito-Urinary Surgery.

ALBERT ADOLPH FRICKE, A. B., M. D., Instructor in Materia Medica.

LILLIAN B. STUFF, Head Nurse in Charge of Free Dispensary.

JOHN JAY KEEGAN, A. M., Fellow in Anatomy.

PAUL CHRISTOPHER GEISSLER, A. B., Scholar in Anatomy.

ANDREW SINAMARK, B. Sc., Scholar in Chemistry.

RAYMOND GESSELL SHERWOOD, B. Sc., Assistant in Histology and Embryology.

MARGARET FLAVILLA QUINLAN, Stenographer and Clerk.

HALLIE DORSEY BERRY, Librarian.

Committees of the Faculty

Summer Session—Dr. Willard (Chairman), Dr. McClanahan, Dr. A. B. Somers.

Publications and Library—Dr. Guenther (Chairman), Dr. Crummer, Dr. Schalek, Dr. Jonas, Dean Bridges.

Advanced Standing and Delinquency—Dr. Poynter, (Chairman) Dr. Cutter, Dr. Willard.

Convocations—Dr. Stokes (Chairman), Dr. Bliss.

Student Activities—Dr. Pollard (Chairman), Dr. Johnson, Dr. Davis.

Dispensary—Dr. E. L. Bridges (Chairman), Dr. Kennedy, Dr. Wherry.

Clinical Teaching—Dr. Cutter (Chairman), Dr. Findley, Dr. Hollister.

Scholarships and Research Prizes—Dr. Gifford (Chairman), Dr. J. E. Summers, Dr. Milroy.

Course of Study, Catalog and Schedule—Dr. Schultz (Chairman), Dr. Guenther, Dr. Patton.

Graduate Work—Dean Bridges (Chairman), Dr. Poynter, Dr. Schultz.

OFFICERS OF INSTRUCTION
IN LINCOLN

ROBERT HENRY WOLCOTT, A. M., M. D., Junior Dean of the College of Medicine and Professor of Zoology. (*Head of Department of Zoology.*)

CHARLES EDWIN BESSEY, Ph. D., LL. D., Professor of Botany and Head Dean of the Colleges. (*Head of Department of Botany.*)

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics. (*Head of Department of Physics.*)

FRANKLIN DAVIS BARKER, Ph. D., Professor of Medical Zoology and Parasitology.

BENTON DALES, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)

RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Physiology and Pharmacology and Director of the School of Pharmacy. (*Head of Department of Physiology and Pharmacology.*)

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*)

JAMES FRANKLIN STEVENS, A. M., M. D., Professor of Introductory Medicine.

GEORGE BORROWMAN, A. M., Associate Professor of Chemistry.

MARY LOUISE FOSSLER, A. M., Assistant Professor of Chemistry.

CLARENCE JACKSON FRANKFORTER, A. M., Assistant Professor of Chemistry.

HIRAM WINNETT ORR, M. D., Assistant Professor of History of Medicine.

ELSIE DAY, A. B., Ph. G., Assistant Professor of Pharmacognosy.

DAVID CLARK HILTON, A. M., M. D., Instructor in Anatomy.

MILTON FREDERICK ARNHOLT, A. B., B. Sc., Assistant in Anatomy.

THE COLLEGE OF MEDICINE

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and had experienced strong and steady growth. As an integral part of the University, and gathering strength from that connection, the College has gone rapidly forward. The requirements for entrance have been raised step by step, keeping pace with those of the better class of medical colleges, and now are on a plane generally recognized as the highest practical for colleges, the primary aim of which is the training of practicing physicians.

The work of the first two years up to 1913 has been carried on at Lincoln. There the laboratories of the University, directed by well trained and experienced teachers, who devoted their entire time to instruction, and with equipment adequate for thorough instruction in the laboratory subjects of the medical course, furnished a preparation which was a substantial basis for the clinical work. The work of the last two years was done in Omaha, where are afforded clinical facilities more than ample for all purposes of undergraduate medical instruction.

The State Legislature of 1909 appropriated funds with which to purchase a site for the medical campus in Omaha and the Legislature of 1911 voted another appropriation of \$100,000, for a laboratory building on this campus. This building, now occupied, is the first of a group of buildings planned to provide ultimately a complete medical college plant.

During the summer vacation period of 1913 the entire equipment and staffs of the medical laboratory departments moved to Omaha. These departments, with the addition of some able instructors from other institutions make up the present laboratory faculty. A large amount of new equipment was purchased and no expense spared to equip all the laboratories with the best modern apparatus. The plant is a well organized physical unit. With the occupation of the new laboratory building and the new free dispensary, have come many changes and improvements in the course looking toward more effective medical teaching.

STANDING

The College of Medicine meets the requirements of the most exacting state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. The Royal Colleges of Physicians and Surgeons in England has added the University of Nebraska to the short list of American institutions whose

Graduates in Medicine may, on production of the required certificate of study, be admitted to the final examination before the Examining Board in Medicine, Surgery and Midwifery, which places them on the same basis as graduates of the best English colleges. This recognition is of especial interest to those students who are planning to take up work in foreign lands as medical missionaries.

METHODS OF INSTRUCTION

The course of study in medicine covers four years, there being in each of the years thirty-four weeks of class work exclusive of all registration and examination days. During the first two years those laboratory sciences are pursued which form the basis for the clinical studies of the last two. The objective method is followed, not only in the laboratories, but also in the clinical instruction, where constant reference is made to the facts acquired from laboratory work in the fundamental branches. Emphasis is in all cases placed on individual effort on the part of the student, of whom is required work as independent as is consistent with the further demand that he thoroughly cover the field.

The course embraces also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in laboratory and clinic. Frequent quizzes and examinations test the student's progress in each line of work.

The College affords unique opportunities for the most thorough instruction. The moderate size of the classes insures close contact between student and instructor, which is of the utmost importance in securing an exact knowledge of the fundamental branches. The sectional method of clinical work also brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroughly and at short range, and allows him to secure a very unusual amount of bedside instruction.

The student is urged to add to his preparation a fifth year taken as an interne in some hospital, or spent in some laboratory, and provision is made whereby the student may secure on the completion of this year a second degree—Doctor of Medicine *cum laude*. This fifth clinical year is optional.

Six-year Combined Course. In addition to the four-year course leading to the degree of Doctor of Medicine, which must be preceded by two years of college work, there is offered a combined collegiate and medical

course of six years. By the use of the laboratory subjects of the first two years of the medical course as electives in his collegiate course, the student is enabled to receive, at the end of four years, the degree of Bachelor of Science, and at the end of six years that of Doctor of Medicine. This can only be accomplished by following closely the course as outlined on page 59 of this catalog. A student registered for the degree of Bachelor of Arts may arrange a similar course by the same use of his electives, but he will probably find it necessary to spend seven years to meet the requirements for the Bachelor of Arts degree, and to secure, at the same time, the scientific training required for the degree in medicine.

ADMISSION TO THE COLLEGE OF MEDICINE

Entrance Requirements. For admission to the College of Medicine a candidate must present credentials showing that he has completed (1) a standard four-year high-school course entitling him to 30 entrance credits or "credit points"¹ equivalent to those laid down as the minimum requirement of the Association of American Medical Colleges, and (2) two years of college work in this University or some other reputable college or university, including at least a year each of chemistry, physics, zoology, and German. This means that the graduate in medicine must have had at least six years of work above the four-year high-school course. The difference between the six-year combined course and the four-year course preceded by the required two college years lies in the fact that all of the work of the two preparatory years of the latter not being prescribed, there is latitude of election which will be of advantage to A. B. students and those who come from other colleges and universities and who do not seek a B. Sc. degree here. Two points of some importance should be noted in connection with this extended course. The initial years, if taken at the University of Nebraska, are not subject to the fees of the professional course, but demand only the moderate laboratory fees required of the general scientific student. Secondly, the work may be taken at any college of standard entrance requirements. There are many colleges which cover the introductory work noted in an eminently satisfactory manner, and in such cases the student with proper credentials may enter directly into the first year of professional work in medicine, i. e., of the four-year course.

¹An entrance credit or "credit point" is given for the work of a class holding five recitations a week, of from 40 to 50 minutes each, for at least 18 weeks. In laboratory courses a credit or "credit point" is given for three recitations and two double periods of laboratory work (under the supervision of an instructor) each week for at least 18 weeks.

For admission to the six-year combined course, the candidate must meet the entrance requirements demanded by the College of Arts and Sciences, which are 30 credit points. Conditional admission to the College of Arts and Sciences is permitted on a minimum of 28 entrance credits or "credit points" to graduates of accredited secondary schools; but all such conditions must be removed before the student may be admitted to the College of Medicine. Women are admitted to the College of Medicine on the same terms as men.

Entrance Subjects (30 points). The 30 points required for admission must be presented from the following subjects in the amount indicated; the time element is essential:

Required Subjects—	Points
English.....	4
History (European) ¹	2
Languages (Foreign) ²	6
Mathematics.....	4
Science (Laboratory) ³	2
Elective Subjects—	
Other subjects taught in an approved manner in an accredited secondary school.....	12
Total.....	30

¹ History: It is recommended that Greek and Roman History be offered in meeting the European History requirement.

² Language: For entrance to the College of Arts and Sciences at least two years of Latin are recommended. Two years (four points) are required of students entering the six-year combined Academic-Medical course unless excused by the committee on accredited schools.

³ Science: It is recommended that Physics be offered in meeting the science requirement. While Chemistry is not among the required entrance points, students will find it of great advantage to have a year of high school chemistry for entrance.

College Credits. To fulfill the two years college requirement demanded for entrance to the College of Medicine the prospective student must present credentials showing the completion of work equivalent to 60 university "hours" and including:

Physics, 6 hours; Zoology, 6 hours (including vertebrate Anatomy); Chemistry, 10 hours; German, 10 hours.

Conditional admission is allowed with a minimum of 51 hours if the character of the student's preparation is such that during the first year

and the following Summer Session, in which is permitted registration up to 9 credit hours, all deficiencies can be removed and the work of the first year also be completed in full.

Entrance from "Accredited" Schools. The University maintains a list of "accredited" high schools and academies whose *graduates* are admitted to any undergraduate college or school of the University without examination in those subjects in which their work is duly certified. A candidate for admission submitting credentials from a non-accredited school or from an accredited school without being graduated must be prepared to take examinations. A student desiring to ascertain in advance of the opening of the school year whether or not he may be admitted to the freshman class should apply to the Registrar of the University for blank credential slips; when these are properly filled out and returned, he will be informed at once whether or not his credentials are acceptable, and what will be required of him. In all cases the entrance credits are passed upon by the Registrar in frequent consultation with the Inspector of Accredited Schools. It is highly desirable that all candidates for admission forward their entrance credentials at least one month in advance. Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session. However, plans are made so that students who enter at the opening of the second semester may arrange a suitable program of work.

Advanced Standing. Advanced standing may be granted under the following conditions: (1) Applicants for advanced standing must offer admission credits equal to those required by this college. (2) In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the M. D. degree to holders of a bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college. (3) Students coming from other medical colleges of equal standing and maintaining the same entrance and course requirements are, on presenting certificates of honorable dismissal, admitted to the corresponding class in this institution. Students from medical colleges of less standing and not maintaining the same entrance and course requirements are only admitted to the class into which the subject credit secured entitles them to enter, and are also required to make

up all entrance deficiencies. (4) There will be no change in the practice heretofore observed concerning subject credit, the granting of which is at the discretion of the head of each department, subject to the meeting of such conditions or the passing of such examinations as he may with reason impose. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the head of any department has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the student of this College, and in case the work is not equal to such requirement the deficiency stands against the student as a "condition" till removed. In case subject credit is granted in excess of that previously done by students of the class into which the applicant enters, he is free to use the time thus gained in such extra work as he may elect. Thus students who come from high grade colleges and have completed a portion of the required work may be enabled to pursue studies for a master's degree or to go into advanced courses in any department in which they are prepared to work.

Adult Special Students. When circumstances are such as to allow it without detriment to the work of candidates for degrees, a student not seeking a degree may be admitted as an unclassified "Adult Special" student. A junior or a senior in the College of Arts and Sciences may, with the consent of the department involved, take any of the courses offered in the College of Medicine by registering as an unclassified student in this College and paying the laboratory fees attached to the course or courses chosen and also a *pro rata* tuition fee; provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$10.00 a semester.

Registration. Certain days at the beginning of each semester are allowed for registration. To promote prompt registration, a fee of \$3.00 is charged any student who, unless excused by the Dean, seeks to register outside of these days. A like fee of \$3.00 is charged for re-registration when made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration. A student taking the college work required for entrance to the College of Medicine matriculates and registers in the College of Arts and Sciences until the necessary amount of college work is completed. A student taking the combined six-year course for the degrees of Bachelor of Science and Doctor of Medicine matriculates and registers only in the College of Arts and Sciences during the first two years of his work. He continues to register in the College of Arts

and Sciences during the next two years, or until he receives his B. Sc. degree; but he must also matriculate and register in the College of Medicine at the beginning of the third year's work and must register regularly thereafter in the College of Medicine. If he is a candidate for the A. B. degree, he must begin to register also in the College of Medicine not later than the beginning of the fourth year of his course, as at least four years' registration in a college of medicine is required of all who receive the M. D. degree. No regular student is registered for less than twelve (12) hours a semester without the Dean's permission, nor under any condition for more than eighteen (18) hours. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the Dean. Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration. Any change in a student's residence must be immediately reported to the Secretary of the College.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is granted only under the following conditions:

1. The candidate must be twenty-one years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission and must have paid all his fees.
4. He must have completed and have secured credit in all required subjects in the curriculum.
5. He must have pursued the study of medicine for at least four years and must have passed the necessary examinations and have received credit for at least four full years of instruction at medical colleges in good standing. The last year he must have taken in this institution.

REQUIREMENTS FOR THE SATISFACTORY COMPLETION OF A COURSE

The satisfactory completion of a course will be determined by the instructor in charge of the subject through examinations and other records of a student's work. In order to pass in a course a student must comply with the following requirements:

1. He must have attended at least 80 per cent of the scheduled lecture and recitation appointments in the course, and 85 per cent of all scheduled laboratory hours.

2. He must receive a final grade of at least 70 per cent in Freshmen and Sophomore subjects, and at least 75 per cent in Junior and Senior subjects.

A course, which for a good reason has not been completed, may if of passing grade, be marked incomplete "I." This "I" must be removed within one year otherwise the "I" becomes a condition "C."

REMOVAL OF CONDITIONS

A student who does not pass a course, provided the final grade is not below 60 per cent is "conditioned" in that course and is entitled to a re-examination at the next supplementary examination period. For a supplementary examination a fee of \$1 in each subject shall be paid. If by reason of illness or other extraordinary circumstances he does not appear at the time set for supplementary examinations, the faculty may by vote permit him a special examination. For such special examination a fee of \$2 in addition to the ordinary supplementary examination fee shall be paid.

A student conditioned in one or more lecture, recitation or laboratory courses at the end of either semester, shall be allowed until the following September supplementary examinations for the removal of his condition.

If a student falls below 60 per cent, or if he does not pass the supplementary examination he is "failed" in the course, and shall not have the privilege or a re-examination until after repeating the course in which he failed.

With the permission of the instructor in charge, attendance of vacation courses in this school or in courses at other institutions or private instruction by a member of the teaching staff may be accepted in place of attendance at the regular classes.

If a student fails, after repeating a course as provided in the foregoing paragraph, then he shall have no further privileges of instruction or examination in this school, unless by special vote of the faculty.

No student coming from another school will be allowed any privileges in this school which would have been denied him in the school which he leaves.

Absence or Withdrawal. The Secretary of the College of Medicine is the adviser of all students in the College of Medicine. He has a consultation hour, when students may call seeking advice touching their work. A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work. Students not previously excused must make request for excuse for absence within two weeks from the time the absence ceases. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Secretary grants him

permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

FEES AND EXPENSES

All fees excepting the diploma fee are payable in advance, to the secretary of the College. No fees can be refunded to a student after the beginning of the fourth week from the date of his registration, save for causes beyond the student's control; in the latter case the refund can only be made upon written application to the Dean. The application must state the reason and be presented at the time of withdrawal from a course or the college. The scheduled fees in the College of Medicine are as follows:

Matriculation fee (charged once only for each degree).....	\$5
Diploma fee.....	5
Diploma fee, absentia, additional.....	10
Diploma, " <i>cum laude</i> ," fee.....	10

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

FRESHMAN YEAR

Tuition, First Semester.....	\$65.00
Tuition, Second Semester.....	60.00
Breakage Fee.....	10.00

SOPHOMORE YEAR

Tuition, First Semester.....	\$60.00
Tuition, Second Semester.....	60.00
Breakage Fee.....	10.00

JUNIOR YEAR

Tuition, First Semester.....	\$55.00
Tuition, Second Semester.....	55.00
Breakage Fee.....	10.00

SENIOR YEAR

Tuition, First Semester.....	\$55.00
Tuition, Second Semester.....	55.00
Breakage Fee.....	10.00

(Unused portion of breakage fee is returnable)

For elective courses requiring laboratory space, apparatus and material, an extra fee will be charged. This fee will be by agreement between the student and the head of department, and is based on the amount of material required. Special course fees or the fees of students taking part-time work shall be pro-rated on the basis of the number of hours of work. In no case shall the fee be more than fifteen cents for each hour of work. The minimum fee, however, is \$10.00. Breakage in the laboratory and damage to the College property will be charged to the individual or class responsible. In case the responsibility for the damage cannot be placed it will be charged to the class pro-rata.

EXPENSES

Board may be obtained in the vicinity of the College building at an average of \$4.00 per week. Comfortable rooms for individuals cost from \$6.00 to \$10.00 a month. Students rooming together may by this means obtain comfortable rooming quarters at approximately \$7.00 per month each. The average total cost of the students for the school year 1913-14, exclusive of books and instruments, but including all fees, was between \$385 and \$400. Many students expend more than this, some expend much less. Students should provide an allowance of \$50 per annum for books and instruments.

The Young Men's Christian Association offers to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the Association Building. In a city the size of Omaha there are many opportunities for the students to defray a part of their expenses. The College of Medicine does not, however, guarantee employment. Through the Young Men's Christian Association, the Omaha Commercial Club and other agencies, employment has been and will continue to be obtained for a certain number of students.

GRADUATE WORK

Graduate work of two types is offered in the College of Medicine.

(1) Advanced study and research in one or more of the laboratory departments by students holding baccalaureate degrees from this institution or from some other university or college. Such study may lead to the degrees of Master of Arts or of Doctor of Philosophy and may be carried at the same time in a lengthened period of residence as part work in the regular medical schedule. The departments offering this work are included in the Graduate College of the University, the general requirements of which must be met by all candidates for these degrees.

(2) Work of a clinical character by graduates in Medicine serving internships or by graduates in Medicine working under direct faculty supervision. Such work may lead to the degree of Doctor of Medicine *cum laude* under the following conditions laid down by the faculty of the College of Medicine; the candidate must apply at the beginning of his internship or at least one year before he expects to come up for such degree; his work shall consist of original clinical data or experimental work together with general reading and critical survey of the literature bearing on his special subject, and shall be embodied in a typewritten thesis which, if accepted, shall be deposited in the Medical College library; the subject and preliminary outline of the work shall be approved by the faculty committee on graduate study, and throughout the year the work shall be under the supervision of two advisors appointed by the committee with the condition that one shall be a member of the laboratory faculty and the other (if candidate is an interne) the chief of staff of the hospital in which interne is serving; the final acceptance of the thesis shall be by unanimous vote of the faculty and only after its recommendation by the advisory committee and after an opportunity for its inspection by all members of the faculty.

GENERAL AND DEPARTMENTAL EQUIPMENT

The ground floor houses comfortable quarters for the men. A large locker room containing a steel locker for each student adjoins a lounging room and a room provided with shower baths. The woman students have also been provided with a very attractive rest room with cloak rooms adjoining.

This floor also accommodates the animal quarters, the operating room, postmortem and preparation room, room-size refrigerators, the office of the College paper, *The Pulse*, and various store rooms.

Direct current for arc lights for micro-photography and the projection lanterns is provided by a motor generator set installed in the engine room.

MEDICAL CHEMISTRY

The Department of Medical Chemistry occupies part of the third floor and has laboratories equipped for special courses in the subject. Special emphasis is given the subject, physiological chemistry, and for this work much equipment has been secured. A special preparation room, balance room and research laboratory have been provided.

PHYSIOLOGY AND PHARMACOLOGY

The laboratories of Physiology and Pharmacology consist of a main laboratory, 20 by 52 feet, giving ample accommodation to thirty students at any one time. A separate table with lockers and drawers is provided for each pair of students. Adjoining the main laboratory is a room, 20 by 20 feet for mammalian experimentation which will accommodate eight students. For private work, for research, for special experiments and for other purposes there exist a series of eight additional rooms having a combined floor space one and one-half times that of the main laboratory. They serve as offices and private laboratories for the department staff. One is a work shop, another an instrument room and one is used for photographic work. All the rooms are supplied with hot and cold water, gas, electricity, heat, ventilation, etc.

The equipment for carrying on the work consists, in addition to the ordinary class apparatus of kymographs, induction coils, moist chambers, levers, tambours, clocks, signals, animal boards, circulation schemes, electrometers, manometers, rheocords, tuning forks, glass-ware, chemicals, drugs, etc.

The more important of the special pieces of apparatus are a Jaquet and Dudgeon sphygmograph, Erlanger and Faught sphygmomanometers, hemacytometers and hemoglobinometers, Beckmann apparatus for freezing-points, Staudinger balance, Weston mil-ammeter and millivoltmeter, an artificial respiration machine, motors, centrifuge, gas measuring apparatus, mercury-pump, reflectoscope, myocardiograph, ophthalmometer, etc. Particularly worthy of mention are a Cambridge string-galvanometer and appurtenances for electrocardiographic work and a Rivett eight inch precision lathe.

A conference room for class quizzing, etc., is shared with other departments.

HISTOLOGY AND EMBRYOLOGY

The material equipment for realizing the function of the department is excellent. The laboratories are planned with special reference to the convenience of the student. The economy of time and effort on the mere mechanical side of the work is already telling a marked degree in real results. Although the main laboratory is a large room, sixty by twenty feet, thirty students working at individual desks have equally good light from north windows and skylights. Each desk faces the light and is provided with reagent drawers and microscope locker; also gas and artificial

light available at each desk when needed. There is a large sink at each end of the room and another in the center of the stone-topped demonstration table. The above arrangement practically eliminates noise and confusion incident to leaving seats for working equipment after the laboratory period has begun. The use of heavy rubber tips on the chair legs also does away with the noise from the cement floor. There is still space at the back of the room for glass cases to protect embryological models and demonstration preparations, and light enough to study them there.

Adjoining the general laboratory on one side is a small lecture room used by two departments and always available for quiz sections and lectures at all times during the laboratory periods. On the other side is a series of five smaller rooms for the varied needs of research, preparation and office work. These include a small research laboratory, office, drawing and chart room, a technique room large enough to provide for students who have time for this work, and a small supplementary technique and assistant's room. There is also a large photographic dark room used in common with Anatomy. In accordance with the tendency in modern laboratories, the new paraffin baths and incubators are electrically heated and automatically regulated to desired temperatures.

PATHOLOGY AND BACTERIOLOGY

The department occupies all of the main floor except the space used by the administrative offices of the College. The lecture room on this floor is used for clinical lectures and recitations as well as by the department. There are two large teaching laboratories, one for the bacteriology and general pathology and one for the clinical and special pathology of the Junior year. Each student is supplied with a microscope with oil immersion objective, and with such other apparatus and materials as are needed for the complete work of the various courses.

In the laboratory for bacteriology and general pathology is an electric incubator of sufficient capacity to hold all cultures which must be kept at body temperature. In addition, there is a low temperature incubator for the growth of gelatin cultures at a uniform low temperature. Six preparation tables each provided with sinks, hot and cold water, shelves for reagents, and lockers for necessary apparatus, make it possible to carry on the technic of the bacteriological laboratory with ease and comfort and without crowding. Metal animal cages beneath the preparation tables make provision for keeping under constant observation the animals which have been inoculated by the class.

In the equipment of the laboratory for clinical and special pathology the aim has been to provide examples of the various forms of clinical laboratory apparatus, in order that the student may, from his own results, form conclusions as to the comparative value of the different types of apparatus in general use for the investigation of any particular clinical field. In this way it is hoped not only to give the student familiarity with different methods which have the same aim, but also to help him decide which method he may consider most available in his own work in later years.

It has been the primary aim of the department to provide as completely as possible for teaching. However, the other functions of a properly organized department have not been neglected. In the equipment of the private laboratories ample provision has been made for research work and for the special serological and bacteriological work which has become so necessary in the proper clinical investigation of disease. It is the aim of the department staff to place the facilities of the laboratories at the service of the practitioner.

The dark room, for photomicrography and the photography of gross objects, is equipped with the latest type of apparatus.

ANATOMY

The Department of Anatomy, situated on the fourth floor, occupies the most sanitary and best lighted dissecting room in the country. The room has an asphalt floor fitted with drains to permit flushing and the whole space is divided into seven separate dissecting rooms arranged about a rotunda which is occupied by model cases, etc. A separate study table, dissecting table and sanitary wash-bowl is provided in each of the seven rooms.

Adjoining the main dissecting room are private laboratories, model rooms and the office of the department. The whole upper floor is splendidly lighted with the saw-tooth skylight system.

CLINICAL ADVANTAGES

University Free Dispensary

Clinical cases come to the College of Medicine from over the state of Nebraska and from western Iowa, though the Free Dispensary draws by far the larger number. This is particularly true since the College of Medicine has become an integral part of the University of Nebraska and is endeavoring in a measure to realize its obligation to the state. The hospitals men-

tioned in this catalog, affiliated with the College of Medicine, have shown a most gratifying willingness to receive these patients thus rendering the cases available for clinical teaching. The College of Medicine of the University acknowledges its obligation to the affiliated hospitals of Omaha.

The University Free Dispensary is located at 1716 Dodge street, in the center of the thickly populated downtown district. This dispensary was equipped during the summer of 1913, and opened for the reception of patients September 15, 1913. Separate services were established in the following subjects: internal medicine; surgery; eye, ear, nose, throat; pediatrics; gynecology, obstetrics; dermatology and genito-urinary; drug room and laboratory. Each service has its own rooms and equipment, and the entire dispensary is in charge of a trained nurse and an assistant. In addition to the regular dispensary services there has been established an out-patient department which is rapidly growing in importance. Through calls received from the Visiting Nurses' Association and the Associated Charities of the City of Omaha, many out-patients are cared for. These calls are answered first through the department of medicine and then assigned to other departments as the case demands. The University has access to the Union Pacific Dispensary where much valuable experience is gained in the treatment of fractures and minor injuries. The total number of dispensary cases cared for since the opening of the dispensary on September 15, 1913, is as follows:

September 15 to 30	1913.....	302
October	1913.....	856
November	1913.....	761
December	1913.....	824
January	1914.....	1,114
February	1914.....	743
March 1 to 15	1914.....	411
		5,011

Dispensary Staff

Nurse in Charge—Lillian B. Stuff, R. N.

Internal Medicine—Dr. E. L. Bridges, Dr. Anderson, Dr. Bliss, Dr. Manning, Dr. Hall.

Surgery—Dr. Nilsson, Dr. Lieber, Dr. Morisson, Dr. Hollister, Dr. Hyde.
 Eye, Ear, Nose and Throat—Dr. Potts, Dr. Wherry, Dr. Knode, Dr. Rubendall, Dr. Lindquest, Dr. Patton.

Pediatrics—Dr. Moore, Dr. Wigton, Dr. Hamilton.

Gynecology and Obstetrics—Dr. Taylor, Dr. Pollard, Dr. Fairchild.

Dermatology and Genito-Urinary—Dr. Schalek, Dr. Ballard, Dr. Kennedy,
Dr. Dodge.

Drug Room—Blaine A. Young.

Laboratory—Dr. A. A. Johnson.

The Wise Memorial Hospital

This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick and iron construction, and is modern in every respect. There are eighty beds, a separate obstetric and children's ward, and two well equipped operating rooms. Two internes are chosen from graduating class each year for a service of one year. The laboratory is equipped with the apparatus necessary for clinical examinations. The location is within the down-town hospital district. The percentage of charity days in the Wise hospital is high, insuring a large amount of clinical material.

The Nebraska Methodist Hospital

The Nebraska Methodist Hospital, received 2,550 patients last year, of which number fully one-third were free patients. In this hospital the University of Nebraska College of Medicine has exclusive clinical privileges. The hospital contains 140 beds and is a new, commodious, fire-proof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement. It contains an operating pavilion and amphitheater seating about 100 students and is furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, internal medicine, ophthalmology and otology and neurology. From the graduating class three internes are selected for a year's service each, with provisional opportunities for extended work.

The Child Saving Institute

The Child-Saving Institute situated just across the street from the College of Medicine occupies a modern building erected especially for its use. Its clinical privileges belong exclusively to the College of Medicine and are invaluable to the department of Pediatrics for work in clinical pathology and the general management and feeding of infants. There are from sixty to seventy-five children constantly at the Institute and all are under the direct supervision of the department of Pediatrics.

The Immanuel Hospital

In the Immanuel Hospital this College has exclusive clinical privileges. The hospital is well arranged and thoroughly equipped for the application of scientific methods to the treatment of disease. The hospital has one hundred and twenty beds housed in two buildings, one of which is new and thoroughly modern. The hospital laboratory is open to students detailed to work out clinical cases. Two operating rooms provide for simultaneous clinics in general and special surgery. Two internes are selected from each graduating class to serve one year. Opportunity is given them for special research work.

The Douglas County Hospital

The Douglas County Hospital, which is located within ten minutes' walk of the College building, cost \$200,000 and accommodates over three hundred patients. The hospital includes a maternity pavilion, an insane department and there has lately been added a pavilion for the modern treatment of cases of tuberculosis. This institution is in reality the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this college have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in surgery, medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians are appointed each spring for a term of one year. Always one and frequently both of these have been graduates of this College.

The Clarkson Memorial Hospital

The Clarkson Memorial Hospital, a new modern building, located at Twenty-first and Howard streets was occupied in the spring of 1909. It is a thoroughly modern hospital building, and has seventy beds and two operating rooms. The hospital affords opportunities for two internships. Clinics are held in gynecology, obstetrics, surgery and medicine.

The Swedish Mission Hospital

The Swedish Mission Hospital, located at 24th and Pratt streets, has a capacity of forty-five beds. The operating room has recently been remodeled and is modern in every way. A well equipped laboratory is at the disposal of the staff. An X-ray apparatus has been installed, and is used for diagnostic and therapeutic purposes. Special medical and

surgical clinics are held here by appointment. Two internes are appointed each year from the graduating class.

The City Emergency Hospital

The City Emergency Hospital, located at 912 Douglas street, contains fifty beds and is used primarily for contagious diseases. Through the City Health department, the students in medicine and in pediatrics are enabled to study carefully cases of scarlet fever, erysipelas, measles and diphtheria. Small pox cases are seen at the Isolation Hospital, also under City control. Clinics are held at these institutions whenever desired. During the past year diphtheria and scarlet fever have been carefully studied both at the Emergency Hospital and at the Child Saving Institute.

HOSPITAL APPOINTMENTS

The Glenwood Institution for Feeble Minded Children affords a salaried internship for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed each year. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year; three at the Nebraska Methodist Hospital; two at the Immanuel Hospital; one and frequently two at the Clarkson Memorial Hospital; one at the Wise Memorial Hospital; and one at the Swedish Mission Hospital.

Several graduates of the College secure positions each year in other hospitals in Nebraska and adjacent states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions. The proportionate number of these positions open to the college will thus be seen to be far beyond that open to the majority of medical colleges. Under present conditions all capable students desiring hospital training may obtain the inestimable advantage of a year's hospital service before entering upon private practice.

PUBLIC HEALTH

The College of Medicine as a state institution recognizes its duty to the state in all matters pertaining to the public health. The College stands ready to supply expert advise in co-operation with the state and local departments of health on general health conditions within the state. From time to time bulletins on general health topics, epidemic diseases, etc. are issued. Members of the faculty of the College of Medicine are frequently

called upon and will respond whenever possible for addresses on medical subjects which are of general interest. These addresses will be available for Teachers' Associations, Women's Club Meetings and the like.

The University College of Medicine is keenly alive to the possibilities which lie within the general theme "Conservation of Public Health" and every effort is made to bring important advances along the lines of better living before the people.

LIBRARIES AND SOCIETIES

The College of Medicine Library, in Omaha, contains about 3,000 volumes particularly strong in those scientific lines wherein lies the first two years work of the student of medicine. There is included a collection of text books covering the entire range of medical science. This does not obviate the necessity of students having their own text books, but offers opportunities for additional reading and study in subjects in which they are specially interested. Periodical literature is also on file. Fifty-six standard scientific periodicals are on the regular subscription list. Six others are received from private sources.

As additional sources of medical information may be mentioned the medical library of the Omaha-Douglas County Medical Society, temporarily stored in the Omaha Public Library.

The University Library, in Lincoln, containing over 111,000 volumes is freely accessible to students and faculty in Omaha. Books may be withdrawn at any time upon demand. Likewise through the University librarian at Lincoln it is possible for short periods to draw upon the resources of the John Crerar Library of Chicago or the Surgeon General's Library at Washington. The State Library of 85,000 volumes at the State Capitol and the Nebraska State Historical Society Library of 60,000 volumes include valuable medical works in certain lines; series of public documents such as reports of state boards of health and of state hospitals and other institutions.

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. In order that the College may keep in touch with its Alumni they are requested to notify the Registrar or the secretary of the association when they change their address.

The Medical Society of the College of Medicine at Omaha is a student organization which holds meetings periodically. Addresses are

made by members of the faculty or others invited to do so, combining, therefore, intellectual with social activities. A similar organization exists at Lincoln to which any student of the University looking forward to Medicine is eligible.

Students in the pre-medical work at Lincoln have the privileges of all other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. At Omaha a student organization, the Gifford Tennis Association, gives ample opportunity for exercise upon three splendid courts.

The Clinical Review Week, tried as an experiment in the fall of 1910, and repeated in 1911 and 1912, has proven so successful that it has been determined to make it an annual affair. The dates selected in 1913 were October 13 to 18, inclusive; those for 1914 have not been selected, but will probably include the corresponding week. The forenoons are usually devoted to clinics, the afternoons to round-table discussions and the evenings to social pleasures.

The value of the Review Week to the busy practitioner can hardly be overestimated and the institution may be considered as established. One hundred and nineteen physicians registered for the week of 1913. The program follows:

8-12:30 P. M.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
REGISTRATION University Club Board of Trade Bldg., 16th and Farnam	CLINIC Clarkson Hospital Dr. Findley Dr. Lord Dr. Summers Dr. Cramer Dr. Christie	CLINIC Methodist Hospital Dr. Jonas Dr. Bridges Dr. Alkin Dr. Gifford	CLINIC Wise Hospital Dr. Stokes Dr. Goetz Child Saving Institute Dr. McClanahan	CLINIC Immanuel Hospital Dr. Owen Dr. Davis Dr. Milroy	SPECIAL TRAIN TO LINCOLN. MINNESOTA- NEBRASKA FOOT BALL GAME	SPECIAL TRAIN TO LINCOLN. MINNESOTA- NEBRASKA FOOT BALL GAME
ROUND TABLE Luncheon Business Meeting Announcing Committees G. E. McDonald, Chairman	ROUND TABLE Luncheon E. A. Merritt, Chairman	ROUND TABLE Luncheon Annual Business Meeting W. P. Wherry, Chairman	ROUND TABLE Luncheon A. E. Lane, Chairman	ROUND TABLE Luncheon F. A. Burnham, Chairman		
CONFERENCE Later Ideas in Tonsillar Infections F. S. Owen Diagnosis and Manage- ment of Acute Appendicitis B. B. Davis Place of "606" in Treatment of Syphilis Alfred Schalek	CONFERENCE Diagnosis of Tumor of Breast and Treatment A. F. Jonas The Nephritis Question W. O. Bridges Early Recognition of Insanity J. M. Alkin Bladder and Urethral Infections in Male and Female A. C. Stokes	CONFERENCE Puerperal Infection A. B. Somers Diet in Diseases W. H. Milroy Ocular Inflammations H. Gifford Bone Surgery J. P. Lord	CONFERENCE Review of Recent Anatomical Work C. W. M. Poynter Pathology of Syphilis O. T. Schultz Early Recognition of Cancer of Uterus Palmer Findley All Lantern Slide Demonstrations 3:30 Dedication of New Building	CONFERENCE Emergency Surgery J. E. Summers Emergencies in Medicine Leroy Cramer Emergencies in Diseases of Children H. M. McClanahan	U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY	U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY
U of N DISPENSARY Med.—Dr. Hamilton Sur.—Dr. Hollister Skin.—Dr. Kennedy Ped.—Dr. Hamilton Gyn.—Dr. Bechtold Eye, Ear and Nose— Dr. Wherry	U of N DISPENSARY Med.—Dr. Hamilton Sur.—Dr. Hollister Skin.—Dr. Kennedy Ped.—Dr. Hamilton Gyn.—Dr. Bechtold Eye, Ear and Nose— Dr. Wherry	U of N DISPENSARY Med.—Dr. Bliss Sur.—Dr. Lieber Skin.—Dr. Kennedy Ped.—Dr. Moore Gyn.—Dr. Pollard Eye, Ear and Nose— Dr. Rubendall	U of N DISPENSARY Med.—Dr. Bridges Sur.—Dr. Morrison Skin.—Dr. Dodge Ped.—Dr. Wigton Gyn.—Dr. Taylor Eye, Ear and Nose— Dr. Potts	U of N DISPENSARY Med.—Dr. Peterson Sur.—Dr. Kennedy Skin.—Dr. Ballard Ped.—Dr. Christie Gyn.—Dr. Pollard Eye, Ear and Nose— Dr. Lindquist		
RECEPTION TO Our Faculty and Alumni College Building 42d and Dewey Ave. 8:00 P. M.	OMAHA-DOUGLAS COUNTY MEDICAL SOCIETY Symposium on Nephritis	SMOKER AND VAUDEVILLE University Club Board of Trade Bldg., 16th and Farnam Sts. 8:00 P. M.	ANNUAL BANQUET University Club Toastmaster M. A. Tinley, '02 Guests Chancellor Avery Prof. Howard A. Kelly John Hopkin's Uni. Prof. Henry B. Ward University of Illinois	CLASS AND FRATERNITY CELEBRATIONS	U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY	U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY
5 to 6 P. M.	5 to 6 P. M.	5 to 6 P. M.	5 to 6 P. M.	5 to 6 P. M.		
2 to 5 P. M.	2 to 5 P. M.	2 to 5 P. M.	2 to 5 P. M.	2 to 5 P. M.	U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY	U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY U of N DISPENSARY
1 to 2 P. M.	1 to 2 P. M.	1 to 2 P. M.	1 to 2 P. M.	1 to 2 P. M.		

THE COLLEGE PAPER—"THE PULSE"

Several years ago the students of the Omaha Medical College, then in affiliation with the University of Nebraska, decided that they needed some medium of expression for the vigorous life of the school. Consequently they began the publication of a school paper known as "The Pulse." It met with instant success and a warm welcome from both faculty and students, and for several years was a truly live college paper. With the increase in the college course from four to six years, fewer juniors and seniors were left in the college and the paper ceased publication.

At the beginning of the present year, however, the situation changed. With the four years of medical work in Omaha, housed in new quarters, interest revived. The students re-established the old "Pulse," publishing it semi-monthly. The paper, "Representing the Students, Alumni and Faculty of the University of Nebraska College of Medicine," gives twenty-four pages of interesting reading.

MEDICAL INSPECTION OF SCHOOLS

During the year 1913-14 members of the University Free Dispensary staff assisted by senior students on assignment have undertaken a systematic medical inspection of the children of the South Omaha grade schools. This was made possible through the co-operation of the Superintendent of Schools of South Omaha and the Board of Education. A special report on this inspection will be published and will be available to any who wish copies. A general view has been had of the common preventable diseases of childhood and many examples of the value of medical supervision of school children have presented themselves.

MUSEUM

The pathological and anatomical museum of the Medical College contains about 2,500 specimens and is accommodated in a room adjoining the department of pathology. The specimens are being entirely re-classified, and remounted in flat jars, in order that they may be demonstrated by lantern projection. Nearly every variety of pathological lesion is represented and fresh material is regularly received from the affiliated hospitals. It is the intention that the museum shall be strictly a teaching adjunct to the departments of pathology and anatomy.

DISPENSARY STAFF MEETINGS

Meetings of the Dispensary Staff are held the first Saturday in each month, at the lunch hour, at the University Club, where interesting cases from the dispensary are reported and discussed. At such times the general conduct of the dispensary comes up for discussion, and many plans looking toward improvement are brought forward.

JOURNAL CLUB

The members of the Laboratory Staff at the building conduct a Journal Club which meets Saturday mornings at eleven o'clock.

CLINICAL CLERK SERVICE

Beginning with September, 1914, the senior class, in sections, will be placed on clinical clerk service in several hospitals. This service will be in addition to the scheduled clinics. The seniors will perform the work of the interne while on service and will have his assistance and co-operation as well as the direct oversight of the attending staff members. The service will be of one month duration.

STUDENT LOAN FUND

Hon. John R. Webster, of Omaha, Dr. John Alexander Low Waddell, of Kansas City, and Hon. William Gunn Whitmore, of Valley, have given the sum of \$1,000 each to be used as a permanent loan fund for students needing assistance. The interest received from the loaning of this money goes to increase the fund. Application blanks and the full rules for administration may be obtained at the office of the Secretary. Loans will be made only to students in need of assistance, who have been matriculated for at least one full year. Upper classmen will be given preference in the making of loans. The moral character of the applicant, his habits of temperance and industry, and his assiduity and success in his studies will also be determining factors. The amount loaned to one student will, except in extraordinary cases, be limited to \$100 per semester. The note given by the borrower will bear six per cent interest, payable annually; the loan is to be wholly repaid two years after the student graduates or withdraws from the University.

SCHOLARSHIPS

Scholarships are awarded in the various departments in return for students' assistance. Applications for scholarships should be made to the secretary or heads of departments. Announcement will be made later regarding an Alumni scholarship which has been assured.

PRIZES FOR RESEARCH WORK

A friend of the College of Medicine has offered the following prizes.

For Any Student—For the best piece of original work, clinical or experimental \$50.00. For second best \$25.00.

For Members of Clinical Faculty—For the best piece of original work, clinical or experimental \$100.00. For second best \$50.00.

Rules governing the submitting of theses are on file in the office of the secretary.

AFFILIATION WITH THE NATIONAL RED CROSS

The University Free Dispensary has affiliated with the National Red Cross Society in their campaign against tuberculosis and has undertaken the diagnosis and care of suspected and known cases of tuberculosis. Through the out-patient department of the dispensary these cases are followed and treatment administered. A careful account of cases of tuberculosis in Omaha and vicinity is kept and in this way effective object lessons relative to sanitation, crowding and contagion are taught patients and students.

THE ARRANGEMENT OF THE COURSES OF STUDY

In framing and adopting the present curriculum certain definite principles were relied upon for guidance.

1. That in the sequence of studies, in the total number of hours devoted to each subject and in the relative time devoted to laboratory, hospital and class work the experience of some of the leading medical schools of the country, as revealed in their respective catalogs would furnish an impersonal standard.

2. That the various courses of study in the curriculum possess such characteristics that it is not desirable that all should be handled alike. That, whereas, in some subjects intensiveness and concentration are desiderata in others greater efficiency is gained by covering the ground more slowly.

In Chemistry, Physiology and Pharmacology where experimental procedures call for uninterrupted consecutive hours for the completion of an experiment the maximum of blocking has been adopted. The students during the entire day are concerned with one subject only. In Histology a whole day at the microscope constitutes too great a strain on the eyes so that Histology divides the day with work in the dissecting rooms. The entire four years' work of the medical curriculum of 4,700 hours is, therefore,

divided into blocks, each subject constituting a block and furthermore each block is as nearly as possible a multiple of thirty-six hour units. The blocking is most thoroughgoing in the early part of the first two years work and is gradually lost in the transition to the clinical work where blocking is non-existent.

A third principle governing the construction of the curriculum is that it must be elastic in order that it may rapidly with little friction adapt itself to growth in medical teaching. For this purpose correlation between adjoining subjects is left to the heads of departments and to the director of the laboratories who will reduce to a minimum unnecessary overlapping and arrange for the sequential presentation of subject matter.

To meet the differences in the mental capacities of students there are freely interspersed throughout the curriculum free hours or half days during which good students are free to elect additional work or otherwise.

FRESHMAN YEAR

FIRST SEMESTER	Lecture or Quiz	Clinic	Laboratory	Dispensary
Organic Chemistry.....	30		100	
Embryology.....	30		60	
General Histology and Or- ganology.....	60		100	
Anatomy.....	40		122	
SECOND SEMESTER				
Anatomy.....	80		244	
Physiological Chemistry....	90		180	

(Credit hours are based upon an approximate equivalent of one hour credit for thirty-four hours work.)

SOPHOMORE YEAR

FIRST SEMESTER	Lecture or Quiz	Clinic	Laboratory	Dispensary
Neurology.....	20		60	
Physiology.....	160		192	
Pharmacology.....	50		115	
SECOND SEMESTER				
Bacteriology.....	54		108	
Pathology.....	126		180	
Physical Diagnosis.....	36			18
Materia Medica.....	24			
Medicine.....	24			12
Obstetrics.....	36			12
Ophthalmology.....				12

Dispensary service required of Sophomores (in sections) during April and May.

JUNIOR YEAR

FIRST SEMESTER	Lecture or Quiz	Clinic	Laboratory	Dispensary
Medicine.....	54	36		54
Clinical Microscopy.....	36		72	
Applied Anatomy.....	54			
Materia Medica and Therapeutics.....	54			
Obstetrics.....	36			
Surgery.....	54	54		
Eye and Ear.....	18			
Nose and Throat.....	18			
Physical Diagnosis.....				54
Nose and Throat.....				54
Pediatrics.....	18			
(Experimental Surgery, Elective—54 hours.)				
SECOND SEMESTER				
Medicine.....	54	90		
Materia Medica.....	54			
Pediatrics.....	18			
Genito-Urinary.....	36			
Ophthalmology.....	18			
Surgery.....	54	72		54
Obstetrics.....	36			
Eye and Ear.....	18			54
Nose and Throat.....	18			

SENIOR YEAR

FIRST SEMESTER	Lecture or Quiz	Clinic	Dispensary
Public Medicine.....	18		
Pediatrics.....	18	36	
Skin.....	18	18	(Senior dispensary.)
Medicine.....	36	117	(Services elective.)
Surgery.....	36	99	(Five required during the year.)
Obstetrics.....	36		
Mental and Nervous diseases.....	18	36	
Gynecology.....		36	
Eye and Ear.....		36	
Nose and Throat.....		36	
SECOND SEMESTER			
Pediatrics.....	18	18	
Medicine.....	36	117	
Surgery.....	54	117	
Obstetrics.....	36		
Orthopedics.....		18	(Senior dispensary.)
Mental and Nervous diseases.....		18	(Services elective.)
Dermatology.....		18	(Five required during the year.)
Gynecology.....	36	36	
Eye and Ear.....		36	
Nose and Throat.....		36	

COURSES OF INSTRUCTION IN OMAHA

ANATOMY

Professor Poynter, Doctor Van Buren, Mr. Keegan, Mr. Geissler

1, 2, 3. **General and Practical Anatomy**—Covers a study of the entire human body. This work must be preceded by courses in general zoology, comparative vertebrate morphology and osteology. In the laboratory the student is required to make a complete dissection of half the body using charts, atlases and texts as guides; while his work is largely independent he will be required to submit to the department staff from time to time completed dissections to insure the development of a careful technique and a proper understanding of the regions studied. Lectures and laboratory, last three-quarters of the first year.

4. **Applied Anatomy**—Lectures illustrated by charts, lantern, museum specimens and demonstrations on the living subject. Designed to view anatomy from the standpoint of its application to medical questions. First semester, junior year.

ELECTIVE COURSES¹

5. **Topographical Anatomy**—A laboratory course devoted to the study of frozen sections and wet preparations.

6. **Special Genito-Urinary Anatomy**—A laboratory course dealing with the region in its relation to the work of the courses in gynecology and obstetrics. Limited to six students.

7. **Advanced Anatomy**—For those students who have completed the required work of the department and desire to fit themselves for some special field of work or carry out special investigations. Time and credit to be arranged.

¹ In all elective courses fees will be graduated to meet the course.

MEDICAL CHEMISTRY

Professor Cutter, Mr. Sinamark

1. **General Organic Chemistry**—A general survey of the important organic compounds especially those used in applied medicine. Compounds are prepared in the laboratory and their properties studied. First semester, freshman year.

2. **Biological Chemistry**—The organic compounds and chemical processes of physiological importance. A thorough laboratory course with ample experimentation to fix in mind the main chemical principles of food metabolism, body secretions, etc. Quantitative methods are employed in many determinations. Second semester, freshman year.

4. **Toxicology**—A laboratory and lecture course covering the common poisons, their antidotes with chemical behavior of same.

6. **Sanitary Chemistry**—A consideration of food adulterants and impurities with their detection; analysis of milk; or water. Considered especially in connection with state medicine and hygiene. Elective.

DERMATOLOGY AND SYPHILOLOGY

Professor Schalek, Doctor Ballard

Throughout the year the students are taken to the different hospitals by appointment to see interesting and rare cases of skin affections. Weekly recitations are given in both semesters to prepare a thorough foundation for the subject. At the University Free Dispensary the students are brought in personal contact with patients of whom they take entire care under the supervision of the attending physician. Special attention is given to the latest advances in syphilology. Salvarsan is discussed and its administration demonstrated. The students are made acquainted with all the new physical and other therapeutics in dermatology. During the second semester a weekly clinic is given at the Douglas County Hospital which affords abundant dermatological material. A fine collection of plates and photographs is available to be thrown on the screen for lectures and conferences.

1. **Dermatology**—Demonstrations of patients and new methods of treatment at the Methodist, Immanuel and Swedish Mission Hospitals by appointment. First and second semesters, senior year. Schalek

2. **Dermatology and Syphilology**—Clinic at the County Hospital, one and a half hours weekly. Demonstration of patients, discussion of treatment and lectures. Second semester, senior year. Schalek

3. **Dermatology**—Recitations with demonstrations of plates and photographs. One hour. First and second semesters, senior year. Ballard

4. **Dermatology and Genito-Urinary Diseases**—University Free Dispensary, two hours weekly. Examinations of patients and treatments given by students under supervision of attending physician. First and second semesters, junior and senior years. Schalek, Ballard

GENITO-URINARY SURGERY

Associate Professor Stokes, Assistant Professor Kennedy

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds and local treatment of the mucous membrane of the urethra and bladder, are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases. Operations upon the perineum testicle, prostate and bladder are performed with the assistance of members of the sections.

1. **Genito-Urinary Surgery**—One hour lecture. First semester, senior year. Kennedy

2. **Genito-Urinary Surgery**—1 continued. Second semester, senior year. Kennedy

3. **Genito-Urinary Clinic at Free Dispensary**—Two hours daily in sections, one month. First semester, junior and senior years. Kennedy, Dodge, Ballard

4. **Genito-Urinary Clinic**—3 continued. Second semester, junior and senior years. Kennedy, Dodge, Ballard

GYNECOLOGY

Professor Findley, Assistant Professor Pollard, Doctor Taylor, Doctor Fairchild

The instruction in diseases of women consists largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological

lesions and operative procedures. The dispensary clinic, held daily at the University Free Dispensary, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One college clinic each week is held in the Clarkson Memorial or Douglas County Hospital throughout both semesters where cases are presented for diagnosis and treatment.

Opportunity is afforded for making bimanual examinations under anesthesia in the clinics and for assisting in the operations.

1. **Gynecology**—Subject covered by didactic lectures and oral quiz two hours each week. The didactic lectures and quizzes are supplemented by epidiascope illustrations, demonstrations of instruments, casts and pathological specimens. A special feature of the clinic is the opportunity given each student to make examinations under anesthesia and to assist in operations. Two hours each day are devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. First semester, senior year (a) Lectures. Demonstrations. Findley. (b) Hospital clinic. Findley. (c) Dispensary clinics. Pollard, Fairchild, Taylor.

2. **Gynecology**—1 continued. Second semester, senior year.

HISTOLOGY AND EMBRYOLOGY

Professor Willard, Mr. Sherwood

1. **Vertebrate Embryology**—A brief survey of vertebrate development with special reference to morphogenesis and histogenesis of organs. The course is arranged to correlate as closely as possible with those in histology and gross anatomy. Afternoons first six weeks. First semester, freshman year.

2. **General Histology and Organology**—This deals with the normal human histology supplemented by mammalian and vertebrate material of other types. Histological technique may be arranged for outside the regular hours. Afternoons, last twelve weeks, first semester, freshman year.

3. **Neurology**—Study of the microscopic anatomy of the human brain from serial sections with graphic reconstruction of the principal functional paths. Discussion of the methods of neurological study. Forenoons, first four weeks, first semester, sophomore year.

ELECTIVES

4. **Special Human Embryology**—Facts relating specifically to the development of the human ovum and later fetal stages, the membranes, development and histology of the placenta, external form and embryological malformations. Lectures, reading and demonstrations.

5. **Cytology**—An intensive study of intracellular structure with relation to the functional activities of the cell. A course which should precede histological research.

6. **Comparative Neurology**—A study of certain aspects of the nervous system of lower vertebrate as indicating the phylogeny of the human brain. Lectures and laboratory work.

Courses 4, 5, and 6 are elective to be specially arranged for, the credit value depending upon the time required for them.

7. **Graduate Courses**—The facilities are available for research on special problems within the field of the department, such work leading to graduate degrees under the rules of the Graduate College of the University.

HYGIENE AND PUBLIC HEALTH

Professor Towne

1. **Sanitation and State Medicine**—Relation of medical profession to public health. Theoretical consideration. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk, disposal of wastes, Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. First semester, senior year.

Towne

INTERNAL MEDICINE

Professor Bridges, Professor Milroy, Clinical Professor Crummer, Assistant Professor Bliss, Doctor Manning, Doctor Peterson, Doctor Hamilton, Doctor E. L. Bridges, Doctor Anderson, Col. J. M. Banister, M. D., U. S. A., Doctor Cloyd

1. **Physical Diagnosis**—General principles. Demonstration of topography of head, chest and abdomen. Physical signs in health studied by direct personal examination. Lectures treat of normal conditions. Two hours lecture and recitation. Second semester, sophomore year.

Anderson

2. **Internal Medicine**—General diseases, infections, diseases of the heart, lungs, liver, pancreas and kidney. All blood diseases including those of the spleen and lymphatic system; regular recitations held thereon taking up systematically their etiology, pathology, symptomatology, diagnosis, prognosis and treatment. Two hours last nine weeks. Second semester, sophomore year. Anderson

3. **Physical Diagnosis**—Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Two hours. First semester, junior year. Bliss

4. **Physical Diagnosis**—3 continued. One hour. Second semester, junior year. Bliss

5. **Internal Medicine**—2 continued. Three hours recitation and quiz, two weeks alternate dispensary service, two hours clinic. First semester, junior year. Peterson, Manning, Hamilton

6. **Internal Medicine**—5 continued. Three hours. Second semester, junior year. Peterson, Manning, Hamilton

7. **Tropical Medicine**—Lectures on the distribution, etiology, diagnosis, and treatment of such tropical diseases as are of practical importance to American physicians in view of our increasing commercial intercourse with tropical countries by reason of our possessions in the West Indies, Panama Canal Zone, and in the Islands of the Pacific. The endemiology and epidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control, and suppression of the same. One hour lecture. First semester, senior year. Banister

8. **Life Insurance Examinations**—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technique in examining applicants for life insurance. First semester, senior year. Cloyd

9. **Medical Conferences**—Reports of cases on clinical clerk and extern services. One hour. First semester, senior year. Milroy

10. **Medical Conferences**—9 continued. One hour. Second semester, senior year. E. L. Bridges

11. Internal Medicine Clinics—

- a. Wise Hospital—2 hours. First and second semesters, junior year. Goetz
- b. County Hospital—2 hours. Second semester, junior year. Bliss
- c. Methodist Hospital—2 hours. First and second semesters, senior year. W. O. Bridges
- d. Clarkson Hospital—2 hours. First and second semesters, senior year. Crummer
- e. County Hospital—2 hours. First semester, senior year. Milroy
- f. Dispensary service (see schedule).
- g. Clinical Clerk Service (see schedule.)

LARYNGOLOGY AND RHINOLOGY

Professor Owen, Doctor Wherry, Doctor Rubendall

1. **Physiology and Appearance of Nose, Throat and Larynx—** Examination of each with special reference to the normal. Use of instruments. One hour lecture and one hour demonstration. First semester, junior year. Wherry, Rubendall

2. **Diseases of the Nose, Throat and Larynx** with pathology, diagnosis and treatment. One hour lecture. Second semester, junior year. Owen

3. **Diseases of Nose and Throat**, lectures and clinic. County Hospital. First semester, senior year. Owen

4. **Diseases of Nose and Throat—**Course 3 continued. County Hospital. Second semester, senior year. Owen, Wherry

5. **Dispensary—**Services of one month, daily. First semester, junior and senior years. Owen, Wherry, Rubendall

6. **Dispensary—**Course 5 continued. Second semester, junior and senior years.

MEDICAL JURISPRUDENCE

Mr. Page

1. **Medical Jurisprudence—**Physicians' contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine-sanitation. Medical legislation. Twelve lectures. Second semester, senior year. Page

NERVOUS AND MENTAL DISEASES

Professor Aikin, Doctor Mogridge

1. **Lectures on Diseases of the Nervous System**—Lectures on the causes of nervous diseases, and the general symptoms. Diagnosis and methods of examination. Diseases of the peripheral nerves. Motor neuroses of spinal nerves. Sensory neuroses of cerebro-spinal nerves. Diseases of the spinal cord. Degenerative diseases. Muscular atrophies. Diseases of the brain. Function neuroses. Insomnia and neurological therapeutics. One hour lecture. First semester, senior year. Aikin

2. **Lectures on Diseases of the Mind**—Definitions, classification, general etiology, general pathology. General psychology and the psychogenetic factors in the etiology of mental diseases. General symptoms and symptom groups. Examination and diagnosis. Functional psychoses; organic psychoses. All lectures will be illustrated by clinical cases at the Methodist, Immanuel, and Douglas County hospitals. At the Douglas County Hospital students are assigned cases for examination, diagnosis and treatment. One hour lecture. Second semester, senior year. Aikin

4. **Lectures on Mental Enfeeblement**—This course considers the cause, manifestations and diagnosis of mental enfeeblement. Six lectures one hour each on idiocy, imbecility, moron, epilepsy, paralysis and cerebral palsies of children, and one day spent in clinics at the Glenwood, Iowa, Institute for the Feeble Minded. Second semester, senior year.

Mogridge

OBSTETRICS

Professor Somers, Assistant Professor Pollard, Doctor Taylor

1. **Anatomy and Physiology of Female Reproductive Organs**—Physiological pregnancy, hygiene and management of pregnancy. Two hours. Second semester, sophomore year. Taylor

2. **Pathological Pregnancy, Physiological Labor, Pathological Labor, Physiological Puerperium**—Two hours. First semester, junior year. Pollard

3. **Pathological Pregnancy, Physiological Labor, Pathological Labor, Physiological Puerperium**—2 continued. Two hours. Second semester, junior year. Pollard

5. **The Hemorrhages**—Antepartum, partum, and post-partum. The Toxemias-antepartum, partum, and post-partum. Pathological puerperium, obstetric surgery, physiology and pathology of newly born. Two hours. First semester, senior year. Somers

6. **The Hemorrhages**—5 continued. Two hours. Second semester, senior year. Somers

7. **Practical Obstetrics**, anasthetics in labor and the conduct of normal labor. Cases on call, junior year. Somers, Pollard

8. **Pathology**—Normal and morbid anatomy of the placenta and the pregnant and puerperal uterus. Practical demonstrations in the laboratory. One hour. First and second semesters, junior year. Pollard, Taylor

ATTENDANCE ON OBSTETRICAL CASES

The Lying-in Dispensary and the various hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of the senior class under direction. During such attendance, the student is excused from other college exercises. Under direction and in presence of the professor or one of his assistants, he makes examinations, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor and in case operative procedure is necessary, witnesses and assists at operations. Each student is shown one or more cases during the last semester of the junior year, special opportunities being offered to students remaining in the city during the summer months. An obstetric clinic by appointment on Saturday afternoons and on other days out of lecture hours is in successful operation in connection with this department, at which students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the time. All material for six months of the year at the County Hospital is utilized for this purpose. Written reports of all clinical work are required and every student must have reported twelve cases of confinement before coming up for graduation.

OPHTHALMOLOGY AND OTOTOLOGY

Professor Gifford, Doctor Lemere, Doctor Patton, Doctor Potts

1. **Ophthalmology**—General examination of the eye with special reference to the normal. Principles of refraction with practical exercises in groups at dispensary. Use of ophthalmoscope, etc., with practical demonstrations. One hour. Second semester, sophomore year. Potts

2. **Ophthalmology**—External and internal diseases of the eye and their differential diagnosis. Lecture and quiz, one hour. First semester, junior year. Patton

3. **Otology**—Special diagnostic methods with use of instruments. Non-surgical diseases of the ear. Practical work in dispensary. One hour. Second semester, junior year. Lemere

4. **Diseases of the Eye and Ear**—Lectures and clinics at Methodist Hospital. Cases followed by clinical clerks on service. Treatment and diagnosis. One and one-half hours. First semester, senior year. Gifford, Patton

5. **Diseases of the Eye and Ear**—Course 4 continued. One and one-half hours. Second semester, senior year.

6. **Dispensary**—Junior and senior services required one month each. Potts, Lindquest, Knode, Callfas

ORTHOPEDIC SURGERY

Professor Lord

1. **Orthopedic Surgery**—Diseases of bones and joints, synovae, and bursae. Congenital and acquired deformities and diseases producing deformities. The prevention of deformities and dystrophies with principles of treatment. Subjects illustrated by photographs, slides, etc. One hour. First semester, senior year. Lord

2. **Orthopedic Surgery**—One hour clinic. Clarkson Hospital. Second semester, senior year.

PATHOLOGY AND BACTERIOLOGY

Professor Schultz, Doctor Johnson

1. **Bacteriology and Protozoology**—The course aims to develop proper laboratory technique and to give a working familiarity with the more important and typical pathogenic micro-organisms. The work of the course is arranged as indicated below. Six hours laboratory, three hours lecture and one hour recitation. Second semester, sophomore year.

1a. **Bacteriology**—Training in cultural methods is developed through actual work upon the pathogenic schizomycetes and eumycetes. Representative forms rather than numbers of closely related species are selected for study. Ten hours per week during the first fifteen weeks of the semester.

1b. **Protozoology**—Because of the bearing of recent cytological investigations upon certain of the problems of cellular pathology and physiology considerable attention is paid to the general biology of the protozoa, this aspect of the work being illustrated as much as possible by the study of the more important pathogenic protozoa. The diseases and tissue reactions set up by protozoa are considered in the course in pathological histology. Ten hours per week during the final three weeks of the semester.

1c. **Infection and Immunity**—To illustrate the mechanisms concerned in infection and in immunity experimental work is carried on in connection with the bacteria studied. The microscopic study of the lesions experimentally produced helps to bridge over the gap between laboratory bacteriology and pathological histology.

2. **The Principles of Pathology**—A series of lectures devoted to the discussion of the fundamentals of general pathology. One hour lecture. Second semester, sophomore year.

3. **Pathological Histology**—A study of lesions and of the general pathological processes concerned in their production, especial attention being paid to inflammation, to the tissue reactions of the specific infections and to tumors. While the primary aim of the course is the study of general processes, these are illustrated wherever possible by lesions which show the modifications of the various general pathological processes in the different organs and tissues. The gross pathology of the processes considered is illustrated by museum preparations and by such fresh material as is available from time to time. Eight hours of laboratory work, three hours lecture and one hour recitation. Second semester, sophomore year.

4. **Pathological Technique**—Students are required to stain and mount their own sections, one hour per week, not included in course 3, being set aside for this purpose. In addition to the routine staining of class sections, the special methods of use in pathological histology are practiced. Training in the preparation of pathological tissues for microscopic study is obtained upon the material of the experimental work in infection. One hour. Second semester, sophomore year.

5. **Clinical and Special Pathology**—The primary aim of this course is to familiarize the student with the apparatus, methods and technique of the clinical laboratory. Especial attention is paid to methods applicable in general practice, the results of such practical modifications being compared with those obtained by more exact methods and apparatus. The gross and

microscopic pathology of the various organ systems are considered in connection with the chemical and microscopic methods applicable to the various systems. Four hours laboratory, two hours lecture, and one hour recitation. First semester, junior year.

6. Autopsy Technique—Junior students are required to attend the autopsies held by the staff. For each autopsy two students are assigned as assistants, and two as clerks. The students so assigned are required to prepare the tissues for microscopic study and to present a complete protocol. It is believed that in this way each student will have had a share in at least four autopsies during the year.

ELECTIVE COURSES

The following elective courses are open to those who have completed courses 1, 2, and 3.

7. Public Health Bacteriology—A laboratory course intended to give instruction in the methods of bacteriological analysis of water, milk, sewage and foods.

8. Immunology—Laboratory work and assigned reading aiming at more detailed knowledge, especially of the methods which have clinical application, than is possible from course 1c.

9. Experimental Pathology—The study of physiological abnormalities induced by experimental procedures.

10. Clinical Pathology—Advanced work in the hematological and chemical study of clinical cases.

11. Research—The facilities of the department are available for original investigation upon presentation by the applicant of evidence of adequate preliminary training.

PEDIATRICS

Professor McClanahan, Doctor Christie

1. Pediatrics—Gastro-intestinal diseases, diseases of nutrition, and important part played by errors of diet in their production. The history and technique of intubation. Clinics, at Child Saving Institute, where many cases of ordinary affections of infancy and childhood furnish practical applications. One hour lecture, one hour clinic. First semester, senior year.

McClanahan

2. **Pediatrics**—1 continued. One hour lecture, one hour clinic. Second semester, senior year.

3. **Care of Children**—Instruction in the care, hygiene and feeding of infants; cranial measurements and physical development. Milk modification in all its methods including practical work at the Child Saving Institute and at the Clarkson Hospital. Diseases of new born and diseases of nutrition. One hour lecture, one hour clinic. First semester, junior year.

Christie

4. **Care of Children**—Course 3 continued. One hour lecture, one hour clinic. Second semester, junior year.

PHARMACOLOGY

Associate Professor Pilcher

As the prescribed course comes early in the medical curriculum the aim of the department is twofold; firstly, further to help the student acquire careful habits of observation and of drawing logical conclusions from the observed data; secondly, the acquisition of facts concerning the physiological action of those drugs, especially, which are used in clinical medicine.

1. **Elementary Pharmacy and Principles of Prescription Writing**—The term "Pharmacy" is construed liberally; the course will include sufficient laboratory and didactic work to enable the student to become familiar with the various pharmaceutical preparations used in therapeutics. Laboratory and didactic practice in the methods of writing acceptable prescriptions; of compounding prescriptions, agreeable in appearance and taste; the avoidance of incompatibilities, etc.

2. **Experimental Pharmacodynamics**—Experimental laboratory work on cold blood animals and mammals. Experiments are performed by the students, written observations noted and conclusions drawn. In the laboratory period the members of the classes alternate in collecting and classifying the data obtained by the individual students and groups of students. These class reports are presented and discussed in frequent conferences. The object of this method of presenting the work of the entire class by one or two students is to familiarize each student with methods of classifying and presenting experimental data in a clear, concise manner. 15 to 18 laboratory periods of 3 to 4 hours each; with one or more conference periods for each laboratory period.

3. **Didactic Pharmacology**—By means of lectures and quizzes individual drugs are studied; this includes both the locally and systemically acting drugs, constant reference being made to the results of the laboratory course. This course includes the following subdivisions: (a) The discussion of the physiological action of drugs, special emphasis being laid on the therapeutic application of the knowledge required. (b) The practical application of the principles of toxicology acquired in the related departments of chemistry and pharmacology. (c) *Materia Medica*: while studying the individual drugs the student will familiarize himself with the appearance and physical properties of the preparation of the drug; the dosage methods of dispensing, etc.

4. **Elective Work**—As time and opportunity permit elective courses along experimental lines will be offered to a limited number of members of the upper classes. Not more than one course of about 20 hours will be offered in one year.

PHYSIOLOGY

Professor Guenther, Doctor Mitchell, Doctor Fricke, Mr. Meyer

A consideration of the facts and theories of normal vital phenomena and the modification of these through the action of drugs. The elements of prescription writing and the compounding of drugs. Special elective courses.

1. **Physiology**—Lectures, conferences and quizzes. Laboratory work and demonstrations. First semester, sophomore year.

4. **Elective Courses**—Of special medical interest. Arranged as to content and time for juniors and seniors, for candidates for advanced degrees, for practitioners and for special students. One hour credit.

SURGERY

Professor Jonas, Professor Davis, Professor Summers, Doctor Kennedy, Doctor Morison, Doctor Stokes, Doctor Hollister, Doctor Hall

The course in Surgery aims to give the student a thorough understanding of the principles of surgical pathology, surgical diagnosis and rational treatment and does not attempt in the undergraduate courses the development of surgical operative technique. Minor surgical technique is taught in the dispensary and clinics, including numerous practical exercises in surgical asepsis, and the student is prepared to perform such operations as would come to the practitioner as emergencies or in the course of general work.

For surgical courses leading to general surgery the student is referred to graduate courses which may be arranged by consultation with the head of the department.

1. **Principles of Surgery**—A full description of the classes of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Topics assigned for recitation and quiz covering lectures on principles of surgery, surgical pathology of tumors, the practice of surgery, fractures and dislocations. Five hours. First semester, junior year. Davis, Hull, Hollister

2. **Principles of Surgery**—1 continued. Five hours. Second semester, junior year.

3. **Practice of Surgery**—Clinics amplified by lectures on surgical diagnosis, pathology and treatment. Cases assigned for clinic are reported by special groups of senior students with complete data regarding diagnosis treatment, etc., of each case. All reported or operated cases followed in the wards by clinical clerks on service. Methodist Hospital. One hour lecture, one hour clinic. First semester, senior year. Jonas

4. **Practice of Surgery**—3 continued. Methodist Hospital. One hour lecture, one hour clinic. Second semester, senior year.

5. **Quiz on Practice of Surgery**—Covering cases reported on or shown in course 3. One hour. First semester, senior year. Kennedy

6. **Quiz on Practice of Surgery**—Covering cases reported or shown in course 4. One hour. Second semester, senior year. Kennedy

7. **Fractures and Dislocations**—Preparation, application and uses of plaster bandages and casts. Practical work in plaster at College building and in the dispensary. Laboratory and clinic. Two hours. First semester, senior year. Hollister

8. **Operative Technique**—Students required to master details of the more common operations; ligations, amputations, excisions, paracentesis, celiotomies for various abdominal diseases, rib resection and trephining. One hour. Second semester, senior year. Morison

9. **Oral Surgery**—Lectures on the surgery of the mouth in its relation to diseases of the teeth and alveolar processes; care of teeth and influence of neglect of mouth in production of general and stomach disorders. Second semester, senior year. Hunt

11. **Experimental Surgery**—Intended to familiarize students with principles of surgical technique, asepsis, preparation of supplies for operation, use of instruments, preparation of patients for operation, and care of patients after operation. These points are developed by operations done on animals with the same care that such operations are done on human beings, Two hours. Second semester, junior year. Stokes

13. **Surgical Clinics**—

- a. Immanuel Hospital—Three hours. First and second semesters. Junior year. Davis, Hull
- b. County Hospital—Two hours. Second semester. Junior year. Hollister
- c. Methodist Hospital—Two hours. First and second semesters. Senior year. Jonas
- d. Clarkson Hospital—Two hours. First and second semesters. Senior year. Summers
- e. County Hospital—Clinics by appointment on time of clinic "d".
- f. Wise Hospital—One hour. First and second semesters. Senior year. Stokes
- g. Dispensary Service (see schedule).
- h. Clinical Clerk Service (see schedule).

THERAPEUTICS

Assistant Professor Goetz, Doctor Jefferson

1. **Therapeutics**—Discussion of all drugs which under the test of modern investigation have been found useful in the treatment of disease. Application of the scientific data obtained through pharmacodynamics. Questions of treatment considered as matters of direct argument from physiology and pathology rather than as mere memory work. Mechanical, physical and hygienic treatment discussed. Immunity and serum therapy. Personal quizzing; prescription writing. Two hours lecture or quiz. First semester, junior year. Jefferson

2. **Therapeutics**—1 continued. Second semester, junior year.

3. **Clinical Therapeutics**—Practical course. Necessity of definite plans of treatment based upon logical reasoning shown in the more prominent diseases. Embraces the direct application of all forms of therapeutic aid. Lectures, quizzes and clinics. In clinics special attention paid to an-

alyzing cases for therapeutic indications. One hour recitation, one hour clinic. First semester, junior year. Goetz

4. **Clinical Therapeutics**—3 continued. First semester, junior year.

5. **Clinical Therapeutics**—4 continued. Second semester, junior year.

6. **Seminar in Therapeutics**—Arranged at opening of school year. Each student makes an investigation and reports upon some of the modern specialized forms of therapeutics, such as the Nauheim treatment, the Carlsbad treatment, the Finsen treatment. Careful investigation of the topic with discussion by the class and criticism by the instructor. Senior year. By appointment. Goetz

MEDICAL WORK IN LINCOLN

No part of the medical course proper is done in Lincoln and none of the work done in Lincoln is credited in the College of Medicine, except as meeting the requirements for admission. There are, however, three groups of students whose work touches closely that of the College of Medicine or who are registered as students of that college. These are:

1. **Students of the College of Arts and Sciences** in the first two years of the six-year combined course leading to the two degrees B. Sc. and M. D., or taking the additional work leading to the degrees A. B. and M. D.

2. **Students of the School of Pharmacy**, which is, for administrative purposes, attached to the College of Medicine, but for which is issued a separate catalog and announcement.

3. **Students from the Lincoln Dental College**, taking work in classes arranged particularly for them, meeting all requirements as special students of the College of Medicine, paying all fees due from them as such, and standing in every respect in relation to the University as special students in that College.

The executive officer immediately in charge of these students is the Junior Dean and an informal organization of members of the faculty in charge of the courses required of such students known as the Junior Medical faculty handles such questions as may properly come before it, subject, in the case of students in the College of Arts and Sciences, to the rules and regulations of that College.

COMBINED ACADEMIC AND MEDICAL COURSES

Six-year Combined Course. In addition to the four-year course leading to the degree of Doctor of Medicine, which must be preceded by two years of college work, there is offered a combined collegiate and medical course of six years. By the use of the laboratory subjects of the first two years of the medical course as electives in his collegiate course, the student is enabled to receive, at the end of four years, the degree of Bachelor of Science, and at the end of six years that of Doctor of Medicine. This, however, can only be accomplished by following exactly the course as outlined below, substitution being permitted rarely and under conditions where insistence upon the strict enforcement of the requirements, would cause evident injustice. Any student failing to meet these requirements can secure his B. Sc. degree only by meeting the group requirements of the College of Arts and Sciences.

A student entering this University from another in which is offered a six-year combined course substantially equivalent to the one here outlined, may be registered in this course, on presentation of properly authenticated credentials showing the satisfactory completion of all requirements imposed by the institution from which he comes up to the time of his transfer.

Course Leading to the Degrees of A. B. and M. D.—A student registered for the degree of Bachelor of Arts may arrange a course similar to the course leading to the degrees of B. Sc. and M. D. by the same use of his electives, but he will find it necessary to spend seven years to meet the requirements for the Bachelor of Arts degree, and to secure, at the same time, the scientific training required for the degree in medicine.

ORDER OF SUBJECTS IN THE SIX-YEAR COMBINED COURSE

	First Semester Hours	Second Semester Hours
FIRST YEAR		
Chemistry 1, 2.....	2	2
Botany 1, 2.....	3	3
General Zoology (Zoology 3, 4).....	3	3
Rhetoric 1, 2.....	2	2
Modern Language (German).....	5	5
Military Drill.....	1	1
	—	—
	16	16
SECOND YEAR		
Physics 11, 12.....	3	3
Volumetric Analysis (Chemistry 8).....	4	
Physical Chemistry (Chemistry 25).....		2
Medical Zoology (Zoology 15).....	2	
Vertebrate Anatomy (Zoology 7, 6).....	2	4
Modern Language (German or French).....	5	5
Pharmacy 42.....		1
History and Art of Medicine.....		1
Military Drill.....	1	1
	—	—
	17	17

Students entering without conditions but without two entrance points in chemistry take Chemistry D—4 hours— in the first semester of the

first year, and Chemistry 1 and 2—4 hours—in the second semester. Rhetoric 1 and 2 are postponed till the second year, replacing in the first semester Zoology 15 and in the second semester History and Art of Medicine, for which the additional chemistry is accepted as a substitute.

All students spending three years at Lincoln are urged to take Psychology (Philosophy 1 and 2) in the third year of their course.

ORDER OF SUBJECTS OFFERED TO DENTAL STUDENTS

	First Semester Hours	Second Semester Hours
FIRST YEAR		
Anatomy A 1, A 2.....	3	3
Embryology and Histology (Anatomy A 11).....	3	
Dental Chemistry (Chemistry 20).....		2
General Chemistry (Chemistry D), for those without two entrance points.....	4	
Physiology 2.....		3
SECOND YEAR		
Physiology 1.....	3	
Organic Chemistry (Chemistry 3a).....	3	
Pharmacology and Materia Medica 10.....		2
Dental Bacteriology (Bacteriology 2a).....		2

COURSES OF INSTRUCTION
IN LINCOLN

BACTERIOLOGY AND PATHOLOGY

Professor Waite

2a. **Elementary Bacteriology**—An introduction to the study of bacteriology. The relation of bacteria to other organisms. Their morphology and structure, chemical composition, and chemical changes which they produce. Two hours attendance. Four hours laboratory. Two hours credit. First and second semesters. Waite

BOTANY

Professor Bessey, Assistants

Five laboratories—general, advanced, and physiological—on the main floor of Nebraska Hall, with the plant-house, provide working room for undergraduate students. Microscopes, paraffin ovens, culture apparatus, microtomes, and other apparatus are furnished as needed. The botanical store-room is stocked with chemicals, stains, glassware and other supplies and apparatus.

1. **General Botany**—Introduction to structure of plants (cells, tissues, tissue systems). General morphology and physiology of representative species. Three hours lecture. Six hours laboratory. Three hours credit. First semester. Bessey

2. **General Botany**—The general morphology and physiology of representative species, including flowering plants. Continuation of course 1 and with it furnishing a basis for plant materia medica. Second semester. Bessey

CHEMISTRY

Professor Dales, Associate Professor Borrowman, Assistant Professor Fossler, Assistant Professor Frankforter

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

D. The Non-Metallic Elements—This course is designed to give a general view of chemistry, including the general principles, and taken by students entering without a high-school course. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. First semester. Dales

1. Qualitative Analysis—Elementary course required of technical and scientific students. Prerequisite: A and B, D, or 2 entrance points. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Borrowman

2. Qualitative Analysis—1 continued. Introduction to quantitative analysis included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester. Borrowman

1 and 2 (combined course). **Qualitative Analysis**. Prerequisite: Same as course 1. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester. Dales

3a. General Organic Chemistry—The important classes of organic compounds of the aliphatic and benzene series. Derivatives. Preparation of typical compounds. Prerequisite: Courses 1 and 2. Five hours attendance. Four hours laboratory. Four hours credit. First semester. Fossler

8. Volumetric Analysis—A study of standard volumetric methods. One hour attendance. Ten hours laboratory. Four hours credit. First or second semester. Frankforter

20. Dental Chemistry—Chemistry and metallurgy as applied to dentistry. Two hours lecture. Four hours laboratory. Two hours credit. Second semester. Borrowman

25. Physical Chemistry—Elementary course; the general principles of physical chemistry with applications to chemistry and to other sciences. Required in six-year course; elective in four-year course. May be taken with course 3. Two hours credit. Second semester. Dales

FRENCH

(See "Romance Languages and Literatures" in the Bulletin of the College of Arts and Sciences).

GERMAN

(See "Germanic Languages and Literatures" in the Bulletin of the College of Arts and Sciences).

HISTORY AND ART OF MEDICINE

History and Art of Medicine—Lectures by Dr. Orr on the history of medicine including a review of medical literature, together with instruction in the use of the library, the compilation of a bibliography, and the presentation of a thesis. Lectures by Dr. Stevens on the duties and responsibilities of a physician; his relation to his fellow practitioners; the evolution of the art of medicine; and the various relationships of the profession to society in general. Two hours lecture. One hour credit. Second semester.

MILITARY SCIENCE AND TACTICS

(See Bulletin of the College of Arts and Sciences).

PHYSICS

Professor Skinner, Assistants

The department of physics occupies a building erected especially for the department, conveniently arranged, with all needed facilities, and well supplied with apparatus.

These courses are designed for those desiring a knowledge of the principle of physics and of its relation to other sciences and to natural phenomena. It is open to students who have completed the Medical College entrance requirements in physics.

11. Arts Course in General and Experimental Physics—Mechanics, sound, and heat. For the nature of this course and conditions for admission, see Bulletin of the College of Arts and Sciences. Three hours lecture with illustrative experiments. Four hours laboratory. Three hours credit. First semester.

Skinner

12. Arts Course in General and Experimental Physics—Electricity and light. Course 11 continued. Four hours laboratory. Three hours credit. Second semester. Skinner

RHETORIC

(See the Bulletin of the College of Arts and Sciences).

PHYSIOLOGY AND PHARMACOLOGY

Professor Lyman, Assistant Professor Day, Professor Stevens

1. General Animal Physiology—A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses and reproduction. A combined lecture, demonstration and laboratory course. Three hours lecture. Four hours laboratory. Three hours credit. First semester. Lyman

2. General Animal Physiology—1 continued. Second semester.

10. Materia Medica—A didactic and laboratory study of the origin, natural history, preparations, and methods of using individual drugs. For students of dentistry. Two hours attendance. Two hours laboratory. Two hours credit. Second semester. Stevens, Lyman

42. Pharmacy—A laboratory course intended to familiarize the student with the fundamental processes in pharmacy. Primarily for medical students. Three hours quiz and laboratory. One hour credit. Second semester. Day

ZOOLOGY

Professor Wolcott, Professor Barker—in Anatomy, Doctor Hilton, Doctor Arnholt

The laboratory is fully equipped and a good reference library is accessible.

3. General Zoology—The lectures cover the general principles of morphology, physiology, development, distribution, classification and evolution of animals; laboratory work, an intensive study of a few selected types, together with a study of mitosis and cell cleavage and emphasis is laid upon

methods. Three hours attendance. Four hours laboratory. Three hours credit. First semester. Barker

4. General Zoology—3 continued. Second semester.

A. General Zoology—For beginners and those who desire to complete a year's work in general zoology in one semester. This course covers the same field as courses 3 and 4. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester. Barker

6. Comparative Vertebrate Anatomy—A general course forming with course 7 a year of vertebrate work. The class-work continues that of course 7 and completes a survey of the field. The laboratory work includes the dissection of a fish, amphibian, reptile or bird, and mammal, with demonstration from preparations in other groups. Three hours attendance. Eight hours laboratory. Four hours credit. Second semester. Wolcott

7. Comparative Osteology of the Vertebrates—A study in comparative morphology, with particular reference to the general plan of vertebrate structure and to the skeleton. The course serves as an introduction to course 6, and the two courses together form a year of vertebrate anatomy. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Should be preceded by courses 3 and 4 or A. Wolcott

15. Medical Zoology—Lectures on certain groups of Protozoa, Platyhelminthes, Nemathelminthes and Arthropoda which produce or transmit the diseases of men, with particular reference to their structure identification and life activities. The laboratory work includes a study of type forms and the required preparation of slides and serves as an introduction to parasitological technique. Intended especially for the medical student. Three hours attendance. Four hours laboratory. Two hours credit. First semester. Barker

ANATOMY

A1. Anatomy for Dental Students—A course in Human Anatomy covering the skeleton and the gross anatomy of the head, neck and arm, and open only to students registered in the dental college. Two hours attendance. Six hours laboratory. Three hours credit. First semester.

Wolcott, Hilton, Arnholt

A2. Anatomy for Dental Students—A1 continued. Second semester.

A11. Histology and Embryology—A course arranged for dental students and covering the histology of tissues and certain organs, general embryology, and the special histology and embryology of the teeth. Open only to dental students and not accepted as a substitute for any other course. Eight hours laboratory, quiz and recitation. First semester.

Wolcott, Arnholt

THE COLLEGE OF MEDICINE

REGISTER OF STUDENTS, 1913-1914

IN OMAHA

SENIORS—13

Name	Home Address
Burns, Hiram Delaney.....	Omaha
Erskine, Earl Bradley.....	Tilden
Goodnough, John Harland.....	Chadron
Gramlich, Ralph Clifford.....	South Omaha
A. B. 1907, The University of Nebraska.	
Harms, Charles Wesley Warren.....	Clatonia
B. Sc. 1912, The University of Nebraska.	
King, Dexter D.....	Lincoln
Kotlar, Frank John.....	Columbus
Moon, Charles Franklin.....	Ashland
Moyer, Torrence Calvin.....	Lincoln
A. B. 1911, The University of Nebraska.	
Pinckney, Charles Edward.....	University Place
A. B. 1908, Nebraska Wesleyan University.	
Scholten, William.....	Lincoln
Williams, Mildred Carnahan.....	York
Young, Blaine Augustus.....	Malvern, Ia.
B. Sc. 1912, The University of Nebraska.	

JUNIORS—13

Barry, Augustus Charles.....	Maywood
B. Sc. 1911, Bellevue College.	
Geissler, Paul Christopher.....	Colorado Springs, Colo.
A. B. 1914, The University of Nebraska.	
Greenberg, Abe.....	Omaha
B. Sc. 1913, The University of Nebraska.	
Heine, Clinton Daniel.....	Hooper
A. B. 1913, The University of Nebraska.	
Keegan, John Jay.....	Alliance
A. B. 1911, B. Sc. 1912, The University of Nebraska.	
Kerr, Robert Henderson.....	Omaha
B. Sc. 1911, Fremont Normal.	

Mason, Bessie Pearl.....	Beaver City
Meyer, Carl Augustus.....	Omaha
A. B. 1913, The University of Nebraska; B. Sc. 1913, Nebraska Wesleyan University.	
Moser, Reuben Allyn.....	Omaha
A. B. 1912, The University of Nebraska.	
Orvis, Harriet.....	Yankton, S. D.
A. B. 1913, The University of Nebraska.	
Rosenbaum, Harold Alvin.....	Harvard
A. B. 1913, The University of Nebraska.	
Warner, Ruth Ashley.....	Lewellen
B. Sc. 1906, Hastings College.	
Young, Alexander James.....	Omaha

SOPHOMORES—30

Andrews, Raleigh K.....	College View
Aten, William Banta.....	Lincoln
Baker, Earl Elias.....	Havelock
Bastron, Carl Heinrich.....	Lincoln
Broman, Martin Robert.....	Lincoln
Colbert, Fred James.....	Weeping Water
A. B. 1913, The University of Nebraska.	
Curti, Ralph Elmer.....	South Omaha
Flory, Paul Jones.....	Pawnee City
Fuller, C. Rex.....	Emerson
Galbreath, William Robert.....	Waverly, O.
A. B. 1910, Park College.	
Hanisch, Louis Everett.....	Rockville
Hoffmeister, George W.....	Imperial
Horton, Fred Lamerton.....	Newcastle, Wyo.
Kepner, Raymond Brandt.....	Havelock
Leonard, Earl Renshaw.....	Rock Valley, Ia.
Linn, John Lovejoy.....	Omaha
McGrath, Wilmer Delavergne.....	Elsie
Niehaus, Friedrich Wilhelm.....	McClelland, Ia.
Park, Durward Belmont.....	Omaha
Riley, Wilber Kirk.....	Wisner
Ross, William Lytle, Jr.....	Omaha
Sage, Earl Cuddington.....	Omaha

Sanmann, Louis Frederick	Diller
Shepherd, William	Rulo
Sinamark, Andrew	Fremont
B. Sc. 1912, The University of Nebraska.	
Sisler, Rebanis	Geneva
Thomas, Clyde Samuel	Benson
A. B. 1914, The University of Nebraska.	
Undine, Clyde Albert	Minneapolis, Minn.
Walvoord, William W	Holland
A. B. 1912, Hope College.	
Webb, Adin Hilton	Omaha

FRESHMEN—28

Andrews, Mitchell McCauley	College View
Arnold, Merton O	Palmer
Bocken, Frank Edward	Harlan, Ia.
Brix, Aage Emil	Lexington
Davis, John Calvin, Jr.	Omaha
Dore, Ruth Elizabeth	Normal
Farman, George Franklin	Lincoln
Higbee, David Rathburn	Omaha
Johnson, Julius Andrew	Omaha
Kline, Philip	Omaha
Lake, Lilburn B	Richmond, Ky.
Ph. C. 1912, The University of Nebraska.	
Losey, Ray Robinson	Fremont
B. Sc. 1912, Fremont Normal.	
Martin, Otis	Central City
Mauer, Roy Thornell	Council Bluffs, Ia.
Mesropian, Herbert Newton	Lincoln
Montgomery, Earl Clifton	Omaha
Nedergaard, Nels	Blair
Perry, Else Hawes	Benson
Peyton, Wade Hampton	Omaha
Riggert, Leonard Otto	Norfolk
Ross, Arthur J., Jr.	Perry, Ia.
Salisbury, Frederick Scott	Broken Bow
Schaum, Lydia Louise	Waco
A. B. 1913, York College.	

Sherwood, Raymond Gessell.....	Rogers, Ark.
Sigworth, Dwight Chace.....	Stanton
Talcott, Vernon Vivaldo.....	Crofton
Way, Charles Willard.....	Wahoo
Wildhaber, William Tell.....	Plymouth

UNCLASSIFIED—2

Faulk, Fred W.....	South Omaha
M. D., U. S. Grant University.	
Mitchell, Claude William.....	Lincoln
A. B. 1910, M. A. 1911, Ph.G. 1913, Ph. D. 1913, The	
University of Nebraska.	

REGISTER OF STUDENTS, 1913-1914

IN LINCOLN

SECOND YEAR, SIX-YEAR COMBINED COURSE—33

Abbott, Joyce Haven	Grand Island
Bantin, Elmer William	Omaha
Beede, Clark Eli	David City
Buis, Albertus Henry	Hickman
Burman, Guy Elmer	Axtell
Chittick, Martin Burton	Stuart
Cooper, Albert Lloyd	Fairbury
Crane, Jay Jarves	Lincoln
Dacken, Victor R.	Lincoln
Dahnke, William Charles	Stratton
Davis, Kenneth Samuel	Genoa
Delzell, William Robert	Lincoln
Edson, Louis Ulmont	Lincoln
Folken, Garrett, Jr.	Schuyler
Hollenback, Carl Francis	Sterling
Johnson, Rudolph Eugene	Omaha
Kingery, Lisle Byron	Tilden
Lanphere, Grant Harold	Gresham
Liebendorfer, Gene Forrest	Pawnee City
Miller, Glenn Harold	Lincoln
Myers, Lloyd	Fort Crook
Numbers, Joseph Reno	Boise, Idaho
Poska, Sidney Charles	Lincoln
Safarik, Lumir Robert	Schuyler
Schembeck, Isaac S.	Lincoln
Thompson, John Clark	Sutton
Thompson, Kenneth Levi	West Point
Thompson, Richard Yoder	West Point
Tschauner, Artemus A.	Osceola
Walker, Harold Hill	Mason City
Weigand, Guy L.	Lincoln
Westover, Raymond Paschal	Rushville
Wiedman, Earl Vernon	McCool

FIRST YEAR, SIX-YEAR COMBINED COURSE—58

Arehart, Arthur Amos.....	David City
Bailey, Donald Marion.....	Lincoln
Bailey, Fuller Bryan	Imperial
Bailey, James Kay.....	Lincoln
Beck, Gerald Henderson.....	Gibbon
Berryman, Lloyd Monroe.....	Cozad
Burton, Irvin J.....	Friend
Camp, Earl Fred	Republican City
Chain, Leo Williams.....	Harvard
Coleman, Frederick David.....	Ulysses
Collins, Floyd MelRoy.....	Ord
Cultra, George McClave.....	Lincoln
Deal, William Floyd.....	St. Francis, Kans.
Donley, Claude Evland.....	Lincoln
Dunn, John Audlie.....	Benkelman
Edmisten, Loyd L.....	Eddyville
Eger, Paul Landis.....	Lexington
Fouts, Paul Albert.....	Central City
Freidell, Hugh F.....	Dorchester
Griess, Rudolph Otto.....	Sutton
Hart, James Stokes.....	Harman
Hoffman, Charles Clarence.....	Franklin
Hollingshead, Bert Curtis.....	Russell
Hueftle, William Christ.....	Eustis
Johnson, Aaron William.....	Bertrand
Johnson, Ernest.....	Omaha
Kim, Ho Yern.....	Korea
Kohn, Lovell Edward Thomas.....	Benedict
Krahulik, Emil Joseph.....	Clarkson
Larson, Russell Lowell.....	Randolph
McBeth, Charles Edwin.....	Shelby
McGee, Harry Edwin.....	Lincoln
Misko, George Harold.....	Ord
Mitchell, Cecil Albine.....	Wabash
Moates, Guy Hart.....	Plainview
Moore, James Stuart.....	Lincoln
Neville, John William.....	Lincoln
Newbecker, Cecil George.....	Ord

Nielson, Arthur Lawrence	College View
Nolan, Martin John	Alliance
Northrup, Lawrence Curtis	College View
Oden, Constantin Luther Ambrosius	Stanton, Ia.
Owen, Donald Robert	Omaha
Polsley, Lloyd William	Wahoo
Rasmussen, Anton Peter	Lincoln
Rusche, Carl Fred	Columbus
Shabouh, Joseph	Lincoln
Smith, Floyd Albertson	Fremont
Stonecypher, David Daniel	Lincoln
Swenson, Axel Richard	Oakland
Taylor, Lloyd Sherwood	Steele City
Todd, Willson Grant	Omaha
Updegraff, Howard Leighton	Omaha
Wagner, Irvin Sylvester	Rock Port, Mo.
Walter, Joseph Jesse	Wahoo
Walvoord, James Henry	Holland
Wimberly, Arthur Dubose	Table Rock
Zulauf, Walter Christian	Jackson

SCHOOL OF PHARMACY—39

Alles, George E.	Lincoln
Anderson, Harriet Fidelia	Genoa
Arenson, Saul Bryan	Lincoln
Batty, Ralph Grant	Lincoln
Bixby, Rex V.	Hardy
Bone, Rex	Nebraska City
Bostrom, Gustaf Alfred	Lincoln
Browne, Jesse Paul	Benkelman
Chittick, Martin Burton	Stuart
Cone, Owen Wendle	Lincoln
David, Russell Kirkwood	Crofton
Detrick, Leonard	Upland
Dort, Edward Nelson	Auburn
Fletcher, Floyd Earl	Kimball
Fowler, Frank J.	Lincoln
Gartner, Harry William	Hastings
Hansen, Elmer Marion	Lincoln

Hicks, Victor Lanier	Columbia, Mo.
Howard, Marene Eliza Platz	Lincoln
Howard, Potter Pitts	Lincoln
Huffman, Elwood C.	York
Irwin, Allen Robert	Genoa
Kovanda, Rudolph A.	Table Rock
Larsen, Antonius Andrew	Homer
Larson, Frederick George	Harrison
Ph. G. 1914, The University of Nebraska.	
Lee, Muyng Sup	Ham-Hung, Korea
McMurray, Harry D.	Manning, Ia.
Osborn, Barbara Christine	Lincoln
Paine, Myron Arthur	Lyons
Perusse, Francis Joseph	Lincoln
Pickering, Leo Leonard	Eustis
Samuelson, Charles Godfrey	Milford
Schaufelberger, Ernest Walter	Fairbury
Sherry, Ralph Munroe	Elgin
Thatcher, Wendell Davis	Gibbon
Thompson, Guy Landis	West Point
Trautt, Thomas Joseph	Lincoln
Winholtz, Ray Abednego	Kearney
Worthman, Henry Fred	Lincoln

UNCLASSIFIED—52

(Including Dental Students registered in courses reserved for them)

Alden, Herbert Ralph	North Platte
Alldritt, Roscoe Vance	Lincoln
Barnum, Earl Harold	Aurora
Barry, John Patrick	Wahoo
Biddlecom, Leonard Skinner	Havelock
Bostik, Edward Joseph	Belleville, Kans.
Brigham, Rae James	Lincoln
Burton, Irvin J.	Friend
Butz, Fred T.	Talmage
Carlson, George Ludwick	Ong
Clopine, Logan Alexander	Franklin
Collins, Charles Philip	Pine View, Mont.
Cook, Harold Charles	Lincoln

Coulter, Victor	Wymore
Daily, Sutton James	Tobias
Donovan, Donald Dale	Valentine
Dorwart, Yule Wallace	McCook
Draper, Elton Worden	Alliance
Duntz, Ezra Earl	Lincoln
Farrington, Jules Verne	Minneapolis, Minn.
Field, Otis Sikes	Lincoln
Fonda, James Everett	North Platte
Gardner, Edwin Robert	Lincoln
Greene, Sylvester Decatur	Lincoln
Greusel, Paul Percival	Lincoln
Hooper, Bert Lester	College View
Houlette, Dale G.	Ravenna
Houlette, Leslie Reade	Ravenna
Hubenthal, George William, Jr.	Beemer
Hunt, Loren Thomas	Lincoln
Johnson, Earl Edward	Arlington
Kirschner, Harold Harpster	Liberty
Klein, Ernest Frederick	Lincoln
Kouba, Robert Fred	Friend
Lillibridge, Chauncey Clark	Weston
Linch, Harry Benjamin	University Place
Marshall, James Byron	Douglas
Miller, Harold Humphrey	Friend
Miner, Walter Howard	Ravenna
Neville, Harold	Lincoln
Neville, William Dennis	Fairbury
Philp, William Russell	Omaha
Purney, James Francis	Rushville
Robinson, Charles Clark	Fairmont
Sharp, Harry Lee	Sioux City
Specht, Arnold Otto	Syracuse
Spencer, Guy Louis	University Place
Stuart, Dale Kay	Stuart
Sturdevant, Roger Edward	Osceola
Totman, Corliss Darwin	Lincoln
Westfall, McKendree Hayes	Lincoln
Wilson, Raymond Aylsworth	Exeter

SUMMARY OF STUDENTS

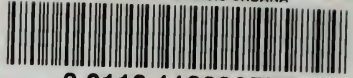
IN OMAHA

Seniors.....	13	
Juniors.....	13	
Sophomores.....	30	
Freshmen.....	28	
Unclassified.....	2	
Total.....	86	86

IN LINCOLN

Second year, six-year combined course.....	33	
First year, six-year combined course.....	58	
School of Pharmacy.....	39	
Unclassified.....	52	
Total.....	182	182
Grand total.....		268

UNIVERSITY OF ILLINOIS-URBANA



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